



The Cable 1953-54



The Student Annual
Of The Cooper Union

Cornerstone Centennial - 1853-1953

Peter Cooper

12th day of February
father grand
were all born

every one of the
John Campbell
and deputy quar
during the rev

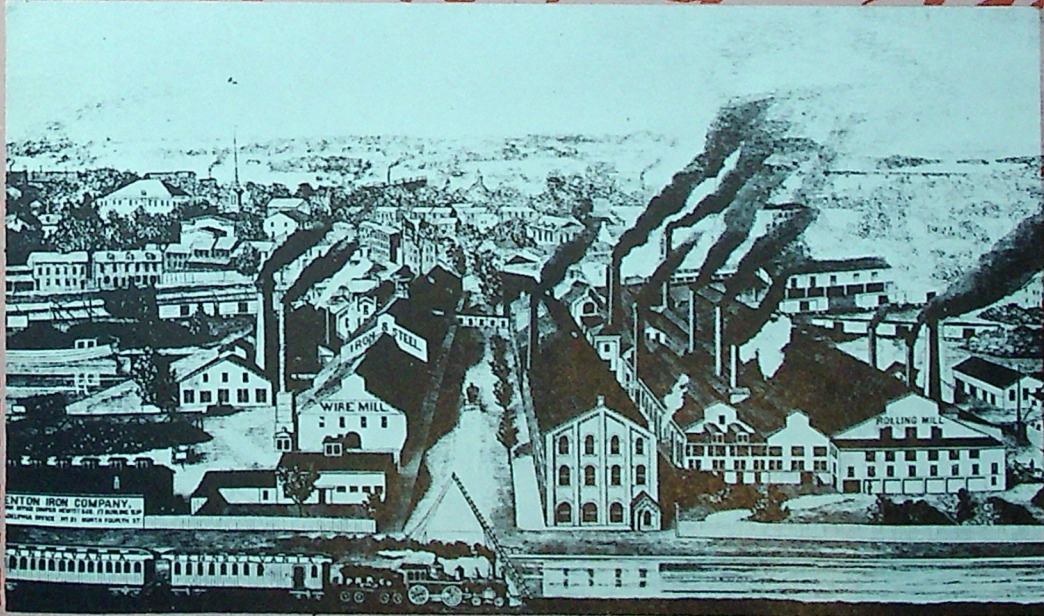
The Cable 1953-54

I design to make the Institution contribute
in every way possible to aid the efforts of youth
to acquire that kind of useful knowledge which
will enable them to find and fill valuable places . . .

Peter Cooper - Cornerstone Address, 1853

my earliest recollection
plucking the hair

was born on the
1791 - His Grand
father & Mother
in the City of
Grandfather
served as Mayor
as master General
of the road



Stewart
and
money
the
and entire



CORNERSTONE CEREMONY - SEPTEMBER 17, 1953

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On September 17, 1853, a small group of distinguished men gathered on Astor Place to witness the laying of Cooper Union's cornerstone. After a simple ceremony, with speeches by Peter Cooper and the mayor of New York, the crowd dispersed, and the event was soon forgotten in the passage of time.

The ceremony marked approximately the midpoint of Cooper's active work on his institute. He had begun to acquire the land for the site in 1839, and the school was first opened for students in 1859.

Therefore the symbolic first act of construction represented no milestone, but was merely a step on a long and difficult road.

But its importance in a symbolic sense was considerable. Like all ceremonies of beginning, the laying of the cornerstone served to tie the plan, the dream, to the

solid ground, and to give to at least one corner of the dream the substance of reality.

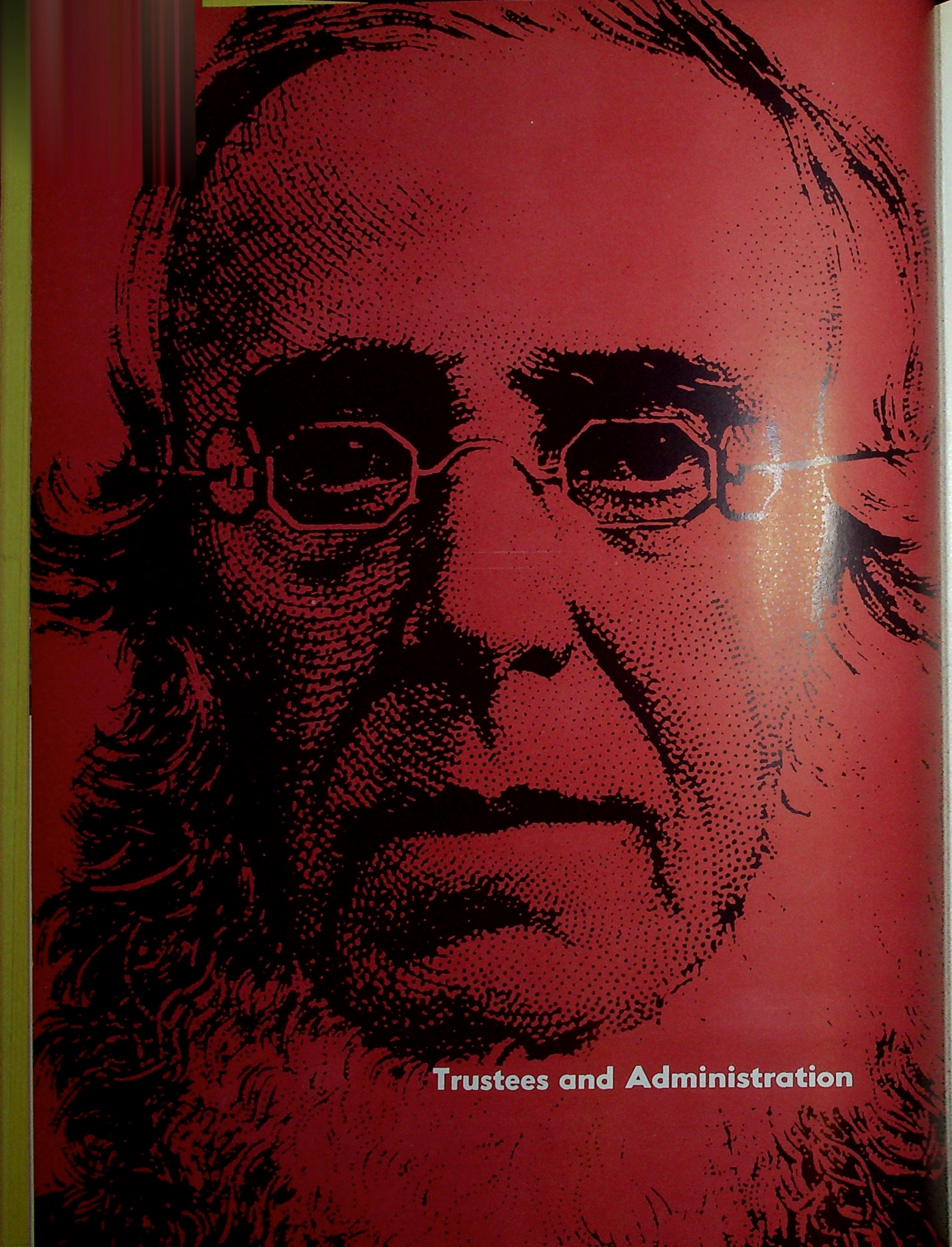
It was a twofold symbol: it was a declaration to the world that the construction had begun; simultaneously, it was the dedication of that construction to the ideals of its founder, Peter Cooper.

This year we commemorate the cornerstone centennial. In the hundred years since the cornerstone was laid, the institute has undergone many changes. Some of these were changes in appearance; others were changes in function, as the facilities of Cooper Union were adapted to the changing needs of the community.

This change and growth of the past century has evolved an institute differing greatly in form from the plans of 1853. But the growth has been always consistent with the ideas of Peter Cooper.

Cooper Union will continue to grow. The century to come will, possibly, evolve even more sweeping changes in its form and function. Because of this, perhaps, we celebrate the cornerstone centennial, to unite that future growth with the growth of the past, and to reaffirm our allegiance to the ideals of the founder.





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First Class Mail

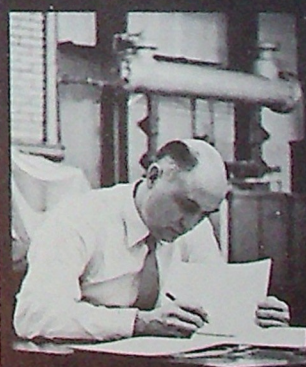
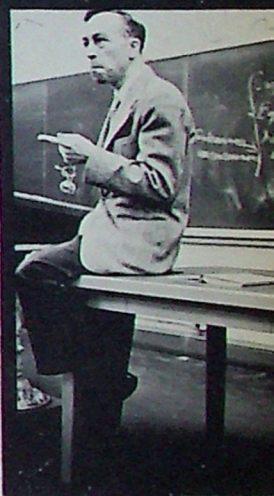
*These instructors receive our stamp of approval
They'll stay in place sans hope of removal
All First Class male, signed, sealed, and sent
With marked address and substantial content.
After four years with these stout men of letters
our minds get so quivery
That we note only one postmark—June ninth
Our Special Delivery.*

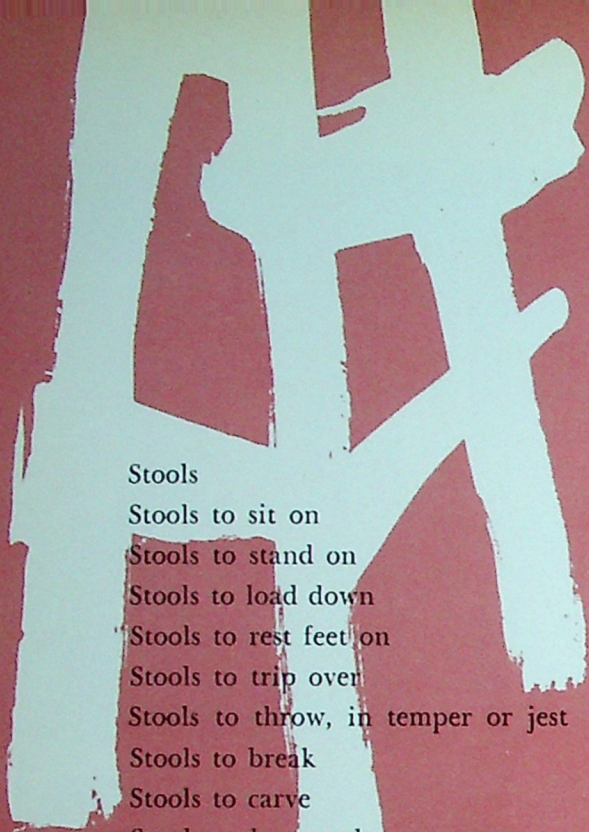
The faculty of the Cooper Union adheres to a strict teaching philosophy. This philosophy creates students of great self-reliance, moral stamina, independence of thought, and originality. In addition, many of these students have beautiful neuroses, smoke like fiends, and develop the habit of working straight through the night. The basic tenets of the philosophy are as follows:

- a) Never, but never, lead the student by the nose.
- b) Always assume that the student has a wonderful talent for benefiting from the mistakes of others, and grade him accordingly.

No matter what we say about our instructors, one undeniable fact remains. We know, and they know, damned well, that they never led us by the nose.



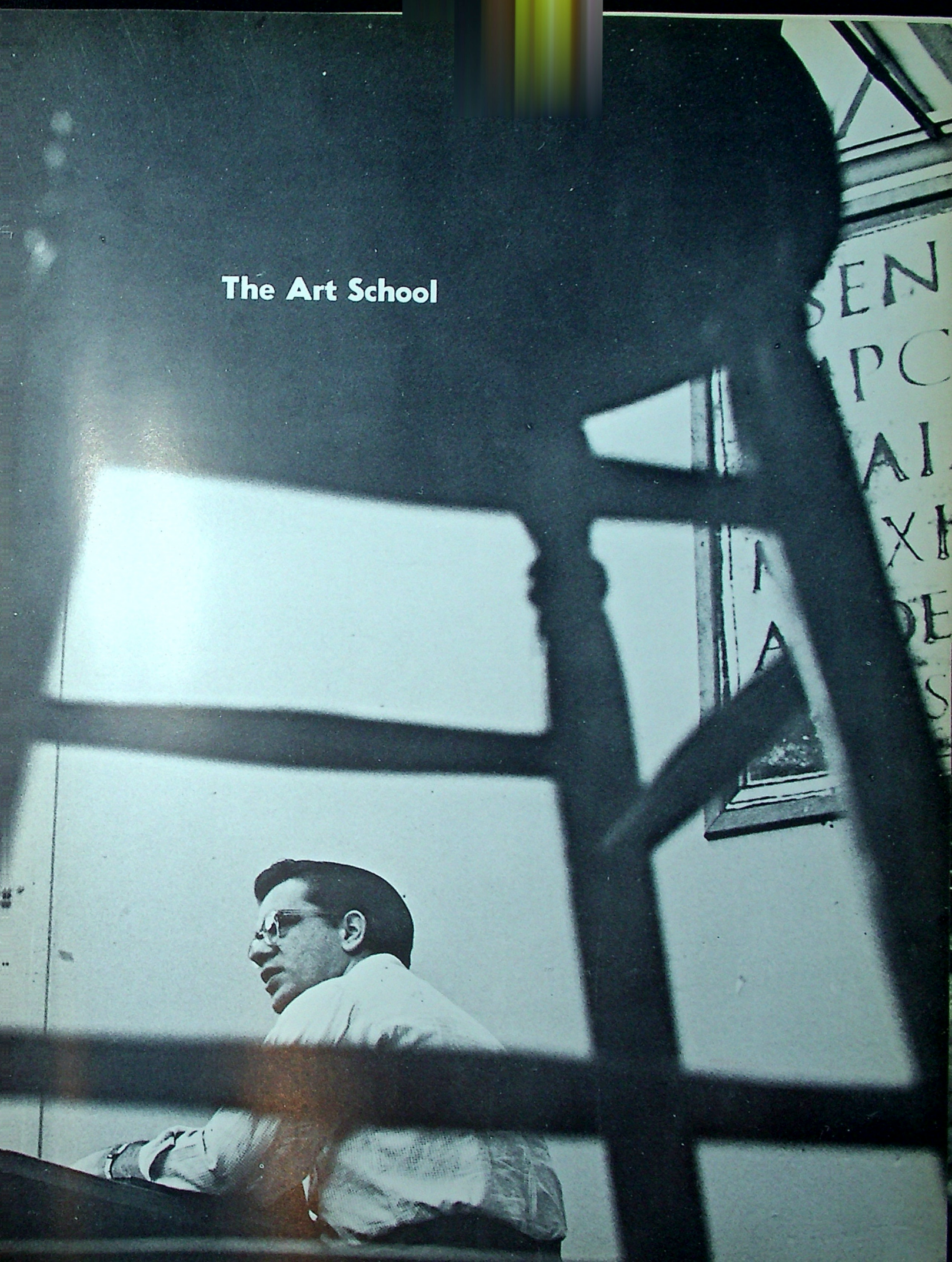




Stools
Stools to sit on
Stools to stand on
Stools to load down
Stools to rest feet on
Stools to trip over
Stools to throw, in temper or jest
Stools to break
Stools to carve
Stools to leave palettes on
Stools to dirty suits and good skirts on
Stools to photograph
Stools to sketch
Stools to paint
New Stools, old Stools
Short Stools, tall Stools
Uncomfortable Stools
Cooper Union Stools



The Art School





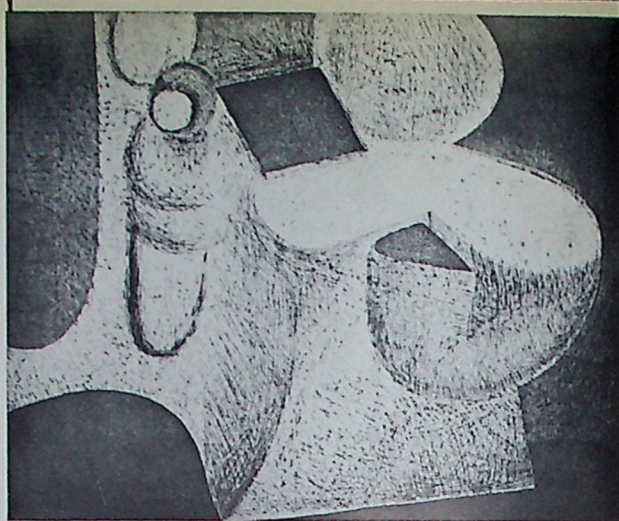
After the ball is over . . .

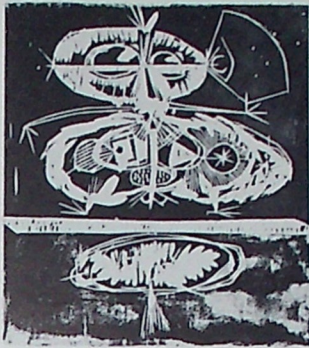
We say goodbye to people . . . and places . . . Next years heirs will inherit our vacant stools and empty easels, but we shall always hear our wastebasket bongo drums . . . have those spontaneous jam sessions . . . the folk-songs and guitars . . . the Christmas carols in April or September . . . the deep, heated discussions about the validity of Leger or the definition of truth and beauty, and of course, what are we re-ahhly accomplishing?

What a sounding board that sixth floor lounge was . . . how it shook with impromptu bebop sessions, how it reeked with smoke . . . the hubbub during the breaks, how it welcomed "The 2:15 Club" to its empty benches, how soft the big tables were on the morning after the all-night homework jags, how those bare furnishings brought out the ham in some people, sometimes as King Arthur's court, a POW camp, an opium den, an art director's office (with bullpen), Egypt on the Nile, the wild, blue yonder, Dodge City in the 1800's or . . . meanwhile, back at the ranch . . .

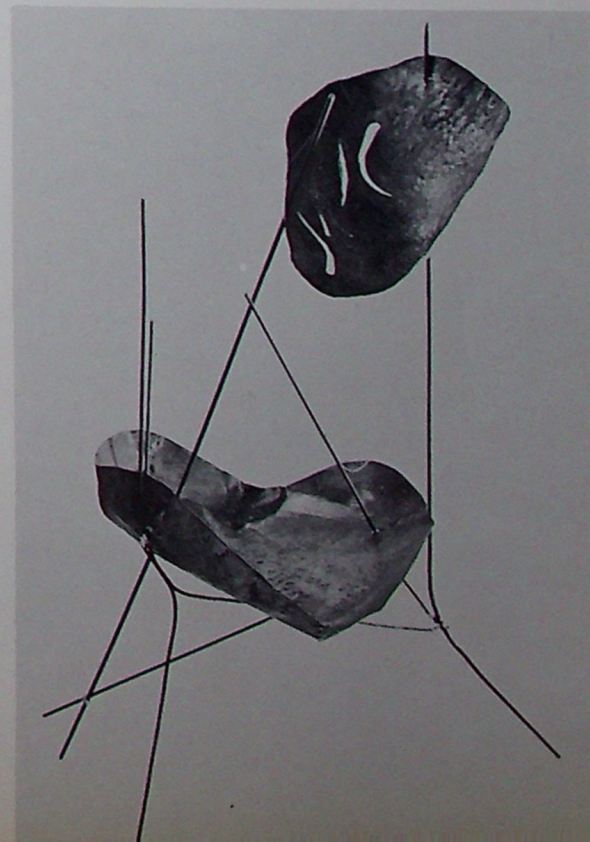
It's hard to feel, now, that we weren't always seniors, but we can all look back and remember how the clouds disappeared from under our feet as we slowly, really realized the benefits of our education here at Cooper. With it behind us, with us, we are all anxious to get out and try and set the world on fire. Most of us will make a good try, some of us will make it, and a few of us . . .

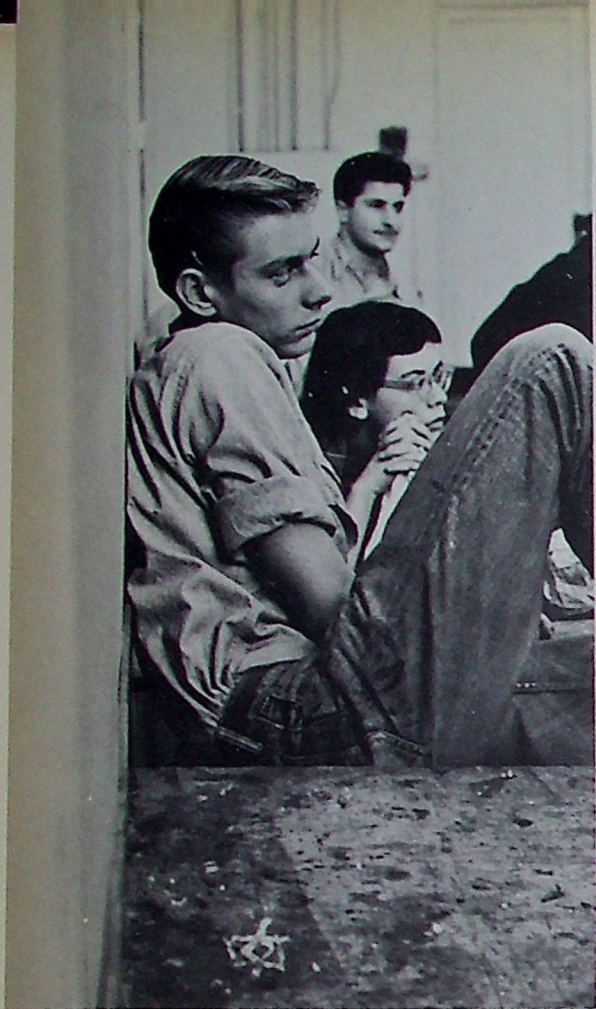






ABCDEFGHIJ
KLMNOPQ
RSTUVWXYZ
NEULAND
ITALIC
abcdefghijklmn
opqrstuvwxyz





For the fine artists (good luck and God bless 'em) and for all of us, the atmosphere and knowledge here at Cooper Union has given a wonderful direction to our lives. We have learned much more than what makes a good painting, or how to mix colors and not get mud, or how to set type so that it fits, or how to recite the hundred best sellers. We have learned to see and recognize and observe and appreciate. We have learned to think in new and creative ways. We have learned the importance of humor and friendship. We have a fresh and optimistic approach to offer the world.







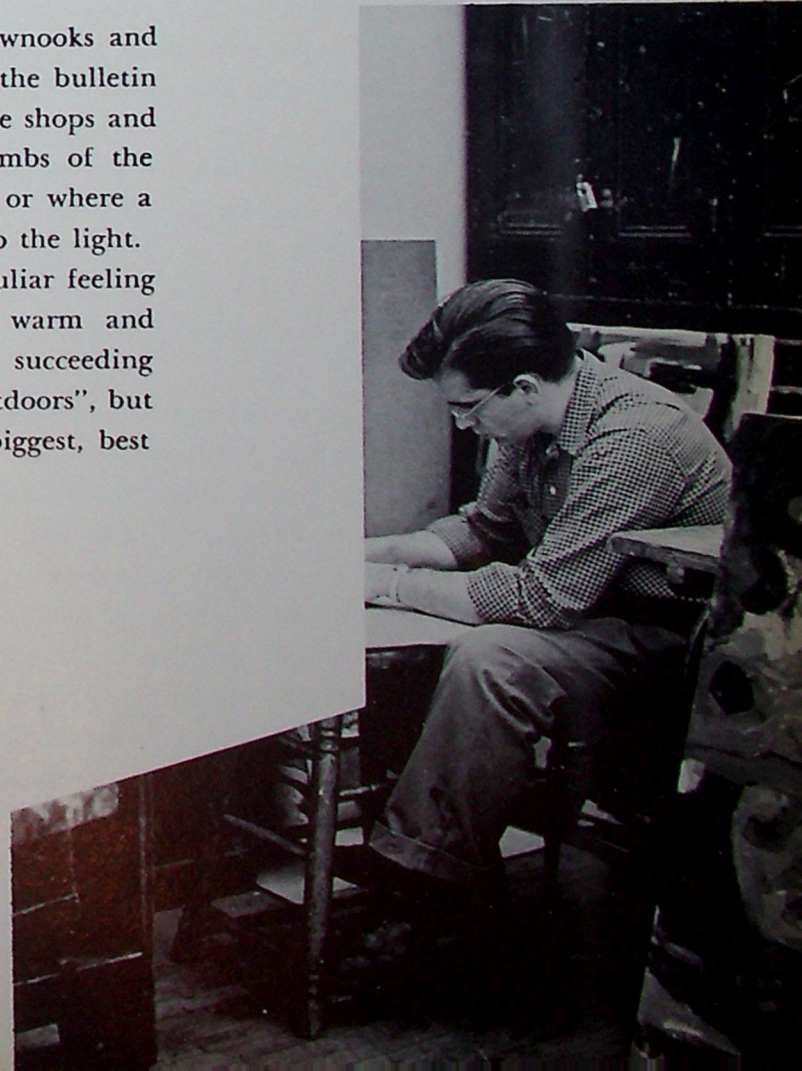
Someday we'll revisit the college of our youth to glimpse the rooms where our futures materialized, the rooms with the easels and stools where we learned that painting was not easy, but where we suddenly found something beautiful and meaningful under our brushes. We'll see the dust-laden fixtures of the sculpture rooms where lovely and expressive constructions were formed from wood, wire, white plaster, and unyielding stone and iron. We'll see the stools and tables where we absorbed the theories and elements of creating inspired and functional homes, schools, offices, museums, and parks. We'll see the rooms where we racked our brains in search of new, unusual, creative, and effective solutions to a timeworn advertisement, and the rooms where professors acquainted us with the thoughts, ideas, and discoveries of great and worthwhile people, past and present, so that we could see, understand, evaluate, and perhaps someday improve upon what they have lived with.





We'll see the lounge and the stairs and the windownooks and the lockers and the museum and the libraries and the bulletin boards and the elevator and the store and the coffee shops and McSorley's and all the other places in the catacombs of the Cooper Union where a pleasant moment was spent or where a thought, an idea, a philosophy, or a truth came into the light.

All these things we leave behind with that peculiar feeling compounded of reluctance and fulfillment. The warm and friendly instructors and advisors remain to guide succeeding waves of students. We seek places in the "Great Outdoors", but we all know inside of us that we are taking the biggest, best and greatest things with us.



How remote the structure of the nebulous atom must have been to the men of 1853. How remote indeed was the entire fabric of our technology. Were we, however, to scan the past in hopes of finding a soul whose dreams might best have conceived the world today, and while in so doing find one who was adroit enough to establish an institution which helped create this technology and grow with it, we could not help but find the name of Peter Cooper.

For in this man we find the mind of a dreamer, a mind that transcended the platitudes of most men's . . . for he dreamt of prodigious iron horses racing the breadth of our land, of cables spanning the fathomless depths of oceans, of a vagary called the elevator.

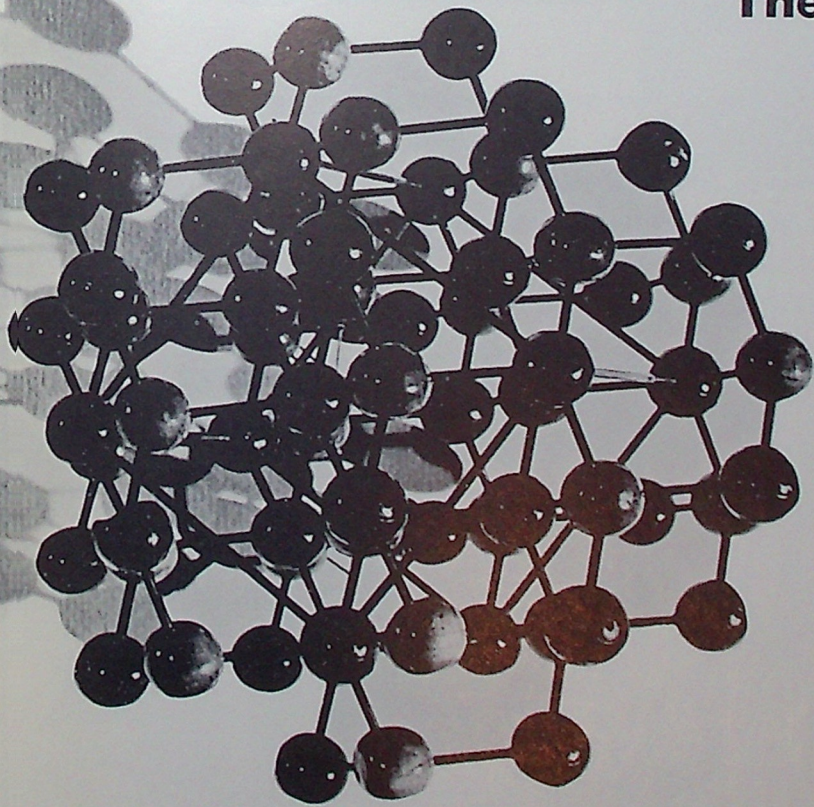
Had this man dreamt and only dreamt, nothing further could be said. But dreams to Peter Cooper were those incipient seeds which would some day manifest themselves into reality.

We bear irrefutable witness to this! For we are the engineering graduates of the Cooper Union. We, as have been our predecessors for an entire century, are the realization of a mechanic's dream.

WHO ARE WE?

We are recruited from the sidewalks of the city, from its water bound edges to its glimmering towers, from distant suburbs; we represent every strata of society. As an entity we are shapeless, we merely resemble youth. Only our objective is common . . . the acquisition of knowledge; the improvement of thought processes. Through this acquisition we express a fervent desire . . . that one day we might bear in our society, a part of its professional responsibility, . . . in the capacity of an engineer.

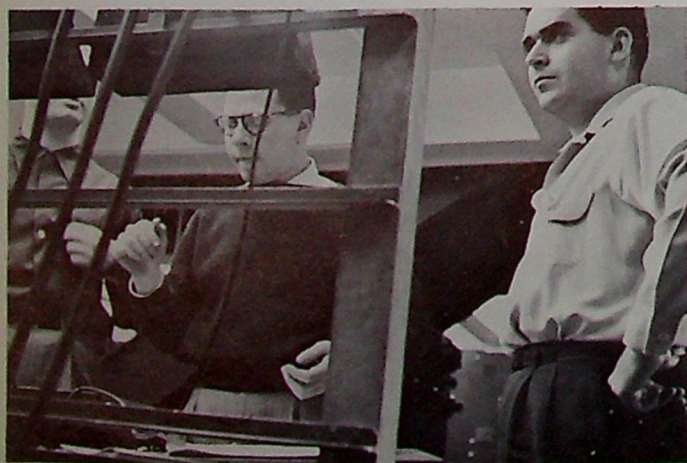
The Engineering School





For four hectic, fascinating years in our existence we were subjected to the vascilating rigors of higher education. We, the dilettantes of high school physics and mathematics were inexpressibly crushed by an inhuman 37 in physics 1 on examination 1, in Row C, Seat 4; and we sensed a disturbing inadequacy as we were unable to complete our mathematics homework in 15 minutes on the Brighton Local.

Remarks such as: "I came here to be a Civil, not a test tube technician," resounded in abundance.





The peremptory commands: . . .
run backwards . . . fall down . . .
wiggle . . . have an intrinsic nostalgia.

The prolixity of hours spent at the school, compounded by the exigent assignments, began to remold our adolescent nature into one necessarily more mature. After an eon or two, the finals . . . they marked more than the completion of a year's work, they marked the graduation of the neophyte from a world of uncertainties and apprehensions into the world of college life. "It can be done", is a most gratifying of feelings.

Sophomores are unique in the realm of mankind. They hold a sequestered position. After all, are they not just a little below the angels and a little above the freshmen?

Physics and Mathematics were incorrigible plagues as well as democratic equalizers. They didn't discriminate among those they molested. Poor Frobenius and Descartes and La Plaz; little did they think that their life works would be bandied about, asserted, decried, confirmed, rejected, and acclaimed over the tables in a place called McSorleys.

Another round, waiter!

But out of the whirligig of material we began to see the vague outline of a pattern. Techniques in thinking were found to be more important than remembering physical constants. For the first time we saw something we learned in a course named Math 4 being applied, and aptly too, to a course named Physics 4. How cooperative!

A Junior — our minds returned to earth from the sophomoric cloud. After two years we began to learn some of the elements of our chosen fields.

Two years of assiduous preliminaries to find we knew relatively little of what was to be our life's work.

We had crossed the desert of theory and had begun to ascend the mountainous barrier of practicability. The formula necessarily adhered to the stringent rigors of the mathematician, invariably offering up an answer, with proper units of course. The interpretation of this solution, the transformation of inanimate numbers into a structure, or mechanism; this was the function we aspired to perform.





The realization of our physical limitations, of the heterogeneity of men and material, and of the greatest intangible yet encountered, the human element, had to be acquired. Our texts changed their form from that of algebraic analyses to that of chronicles of experience.

The final year brought with it its own intrinsic pressures. An aura of urgency pervaded. We were accosted by the representatives of industry, and the representatives of the military. We realized that our decisions would shape our destiny.

To this point we had suckled the essence of our society, had taken much and given little. The time had come for us to become the contributors. Cooper Union, our families, and institutions had prepared us. It was now up to us to do our part.



Traces



we wonder sometimes whether maybe
remembering isn't really a two-way process
whether if we carry with us some ineradicable
corner of this school
this building, this way of life

might not we perhaps have left somewhere
some artifact of ourselves
some trace, some shard,
some sign to mark
our passing?



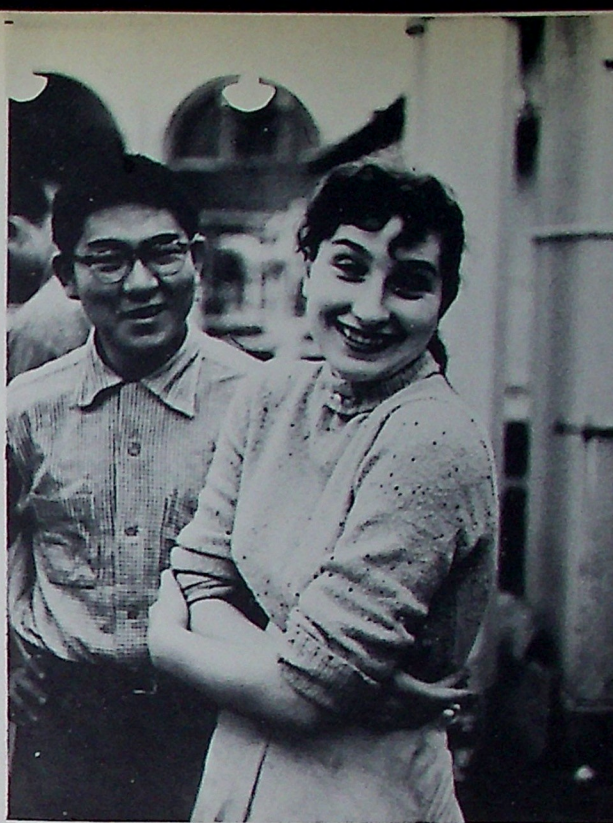


awright awright *im awake* stop
shaking who can drink milk this
time of the morning *gad the*
walk to school seems to get
longer every got all your plates
for two di *never thought id*
make the train today after set
the alarm for bloody el gets
louder every time i *hey jack*
didja solve the last mechomat
so i called him up last night and
told him for the last *well three*
oclock my mother comes in and
open the door for me *willya my*
arms are full on account

i tell you i cant go on forever
on nodoz and black coffee and
art ford almost got killed by the
bus on fourth coming we late yet



listen to the typewriters how can people
make so much noise so early in the
morning *hurry up i wanna catch the ele-*
vator one more nobody exhale pardon
me as my rib in the way of your elbow



*how come they never made it round therefore you take x^2 and differentiate so
 x would be lemme off at five please getting gout you do the homework for
 whatsisname i tell ya the lounge will never be the same gimme a smoke think
 we got time to i knew it the bell each time i light up a okay now clear out get
 to class before see ya at the break ritchie obviously gentlemen the gaseous sub-
 stance that results*





do you hafta put that easel right in front of watch where youre sloppin that plaster ya stupid could somebody help me open this tube of paint and the separation in that elbow is crack-erjack but lookit the blackboards hey got the machine graphs thats the beauty part of it naturally rimbauds symbolism tends to be at the voltage output for twenty minutes im sorry but my grandmother died and i just think the new yorker is so damn superficial im supposed ta get the lab report when larry gets done with



lets go out to the lounge for a cigarette *i get home and theres a message that cmon over to mcsorleys after thats the bell for the break anybody got a butt im fresh out sid get your uke out of the locker and made a date for this saturday but already im broke yknow last weeks model was better than the hi bubbie how are you get your coat lets go for coffee at didja pass your volleyball test who needs it so everyone must be on the hill and he must sing i guess ill have to change my got tickets for the opening of its good old reliable nathan nathan do you have to play that again figure we got enough time left to smoke another breaks over get back to class awright awright just one more drag gain of the amplifier can be increased by adding a capacitor in series what if you add sodium hydroxide to acetic acid instead of i cant mix the same color blue i had last time*

no i dont go out with jerry just because he has a car if you cantilever it the force take for instance his portrait of mme look herb he takes my knight and i trade it for his in this example of egyptian art we are able to see the frontality given to whats the reflux ratio meanwhile back at the and while youre downstairs get me a jar of ochre and a package of cookies cmon over to the camera place during for the case of gas phase controlling







lets go out to lunch the bells due to ring any
second you going to arthurs or thats it the bell
what kind of sangwidges you got look a plum
trade you a peanut butter and jelly for a
chopped lets go to the sagamore and eat our
sandwiches there with coffee save me and marty
a seat watch it coming through with a tray so
look ill go with get me a black and ywanna walk
over to the arch dont mention that foul test
again know whos taking her to the dance so ray
is standing there see



Occasionally, when the ubiquitous bird seed odor becomes unbearable, the thoughts of Cooper students, both artists and engineers, turn to memories of the fresh, clean breezes at Green Camp. Their minds' eyes wander. They see the weather cock atop the dormitory welcoming the refreshing winds from every direction.

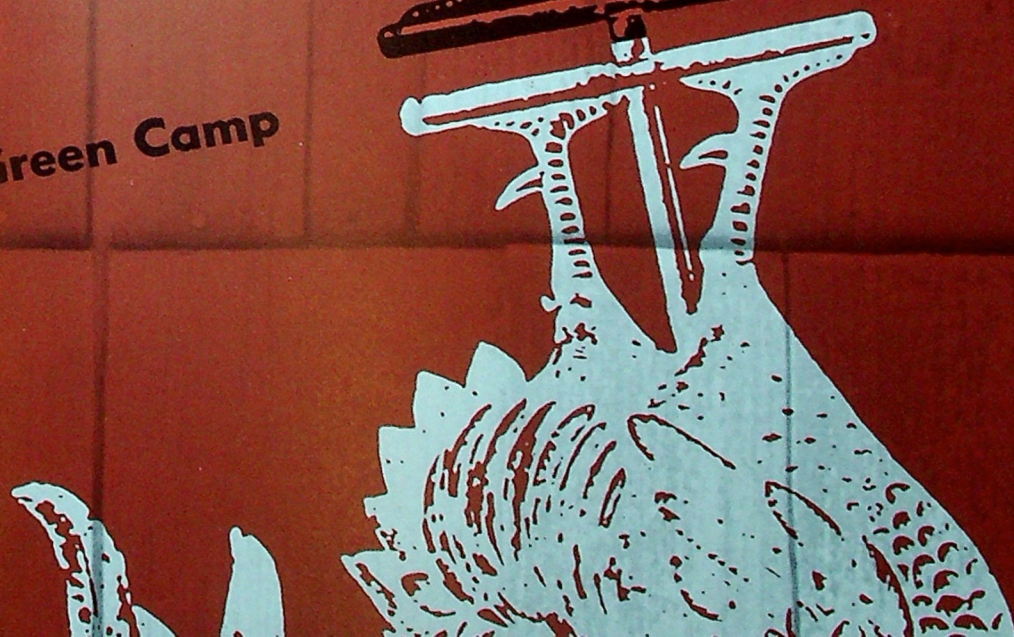
As versatile as the winds themselves, as diverse as the points of the compass, the camp serves a multitude of purposes, many of which were probably not envisioned by its donor, Mr. Norvin Hewitt Green. The thousand acres of Ramapo countryside, and the few farm buildings thereon, have served as a site for orientation and surveying sessions, landscape painting lessons, alumni seminars, and of course, those unforgettable weekend trips. Thanks to the able administration of Professor J. M. Peterson and Mr. Maurice Zarchen, and the care taken by Mr. Harry West, Green Camp has truly earned the appellation of the Cooper Union Country Club.

The old and the new meet and blend at Ringwood. Into a historical setting, virtually reeking with tradition, come the molders of tomorrow's world to learn, to develop, to mature. The motif of the camp is rustic. There are trophies of the hunt and rough-hewn furnishings. As a consequence, the newly arrived at Green Camp are always amazed to find steam heat, hot water faucets running hot, windows that never jam, recreational facilities in excellent condition; in short, everything neat and tidy and in its own place.





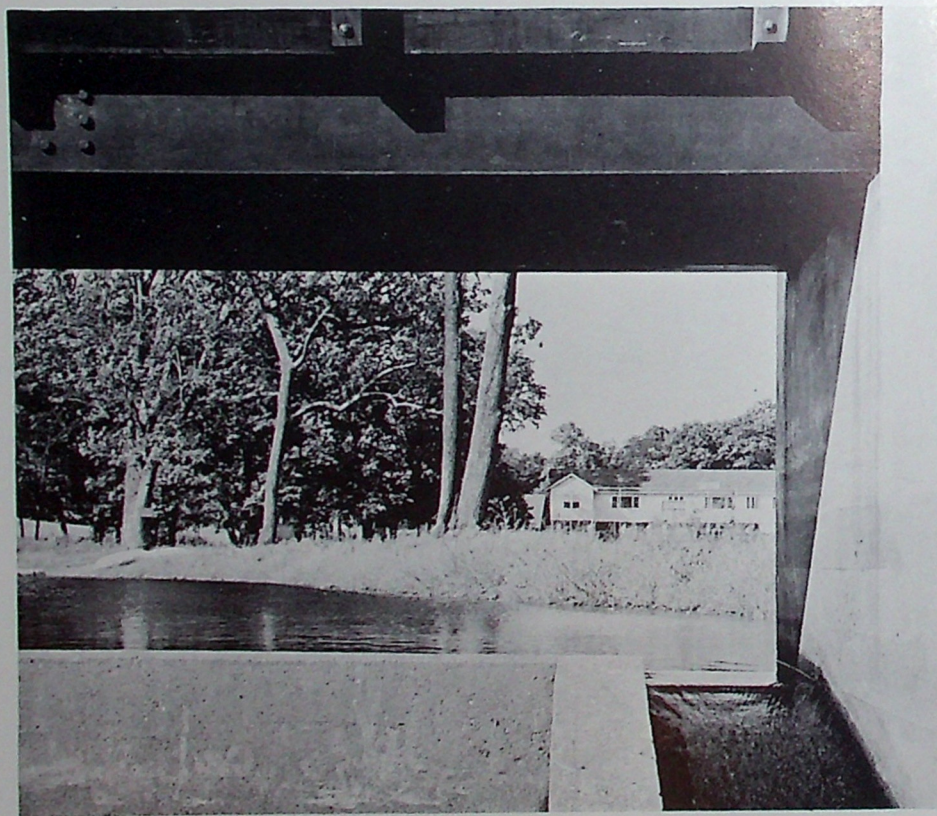
Green Camp



To the very place where he had listened to orientation lectures, to the place where he had labored hard and long to assimilate the theory and practice of surveying or to capture the beauties of nature on canvas, the Cooper student returned.

Often it was just on Field Day to conduct his best girl proudly on a guided tour. More often, homework notwithstanding, he went to spend a weekend, to get away from the grind. He left behind the noisy "el" and cobblestoned Third Avenue.

He forgot his slide rule, paint brushes, steam tables, and lettering pens,—except possibly for the hours between one and four A.M. He went to find open fields, fresh air, sunshine, and a few carefree hours. Muscles, long dormant, were stretched and often strained. But what of it; he could relax in the lounge and absorb the warmth of the fireplace. And the heat generated there was not usually due to the fireplace alone. There were the interminable bull sessions; discussions about art and politics and religion and Kinsey. All weekend he played and worked hard,





studied and slept little, ate well?, and found himself on Sunday morning with just about enough energy left to do his cleanup detail.

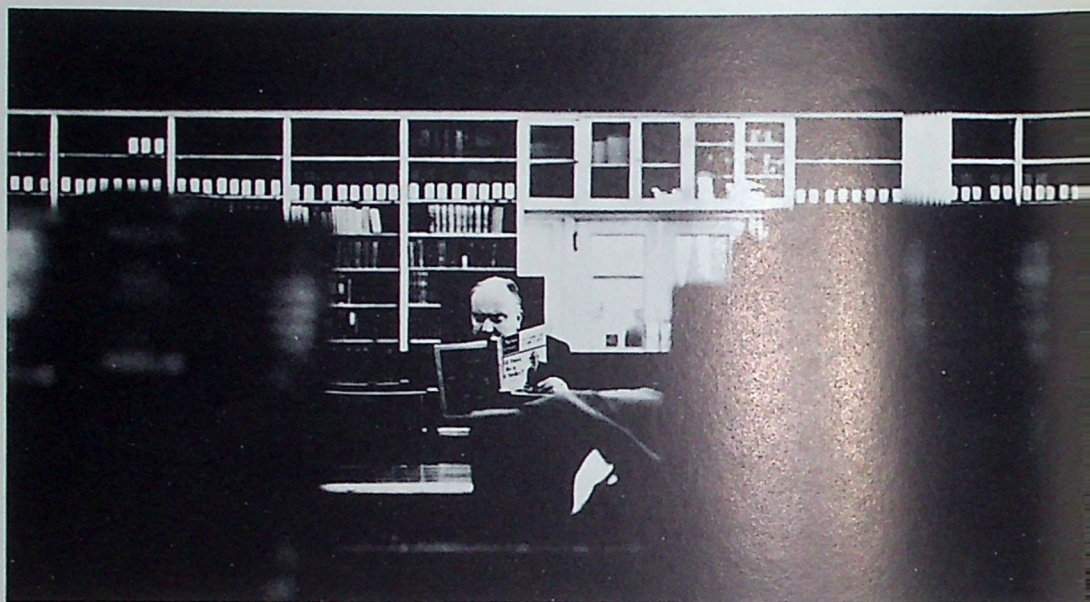
Certain incidents he will remember vividly, like the time (——) hid the radio transmitter in the girls' dorm, or the time everyone came formal to dinner, or the mambo session in the kitchen on pots and pans.



We are conscious of many benefits derived from our visits to Green Camp. We learned much and had memorable times. But perhaps the most important and lasting values derived are the intangible ones. There is something about the coming together of the embryo artist and engineer, and calling of an instructor by his first name that must be experienced to be appreciated. The informality that prevails, the pleasant surroundings, all the things that go towards creating the environment that is Green Camp, enables that unique social intercourse to thrive, which exposes youth to the duties and privileges of communal living. A kind of wisdom is imparted which helps us understand ourselves and our fellows. We emerge better prepared for the problems of life.







The Library

Basically a library is a place where people read things, but the things that people read change with time. The budget of the Department of the Interior for 1884 gathers dust besides the Collected Speeches of William Jennings Bryan, while some things, like engineering and sex, are thumbed and pored forever.

The library became a part of us. It was education. It was relaxation. It was something we gladly accepted and, for most of us, something taken for granted.

The library has always been an integral part of the school. Since its humble but progressive beginning as one of the first free public libraries in the country, it has expanded from a few thousand volumes to a hundred thousand books and periodicals, occupying almost an entire floor. The progressive spirit born in the old reading room has never died. It is alive today as evidenced by the changes we have seen in the few years we have been at Cooper. These include the extended audio-visual service, and the institution of stack browsing privileges.

The constant transition continues. In the near future records, and pictures from the art library, will be placed on the lending list. A reorganization of the engineering books and periodicals is now under way to make them more accessible to students.

We'll remember roaming the stacks looking for the ASME Code, or Hougen and Watson, or the uniform worn by the Praetorian Guard in the second century A.D. We have taken more out of the library than books. We are indebted to it for more than a few late book fees.

The Forum

For the animal to remain alive, it must breathe; for man to remain free, he must speak. Towards this end, the Cooper Union Forum presents three weekly series of programs in the famed Great Hall. The Sunday series features music, dance, opera, and drama. The Tuesday program was divided between discussions on the "Solar System" and "Trends in Philosophy". The Friday series consisted of "Foreign Policy Without Fear" and "Dynamics of Democracy". The near-capacity turnouts at each of these sessions is conclusive evidence of the New Yorker's continuing hunger for knowledge.

The "Short Courses" sponsored by the Division of Social Philosophy are a further answer to this yearning. Such diverse subjects as "Great Gadflies of History", "Religion and Citizenship", and "Races of Mankind" are offered together with many practical courses including "Care of Your Heart", "Spend Your Money Wisely", and "Pre-marital Problems".

Professor Johnson E. Fairchild, chairman of the Forum, has his eyes set on many other fields for the Division of Social Philosophy to enter. There has been talk of trans-Atlantic forum sessions, by means of WNYC, between the Cooper Union Forum and the BBC in London. This would be an undreamed of extension of Peter Cooper's simple but far reaching statement that there should be established at Cooper Union a "regular series of free public lectures at night".

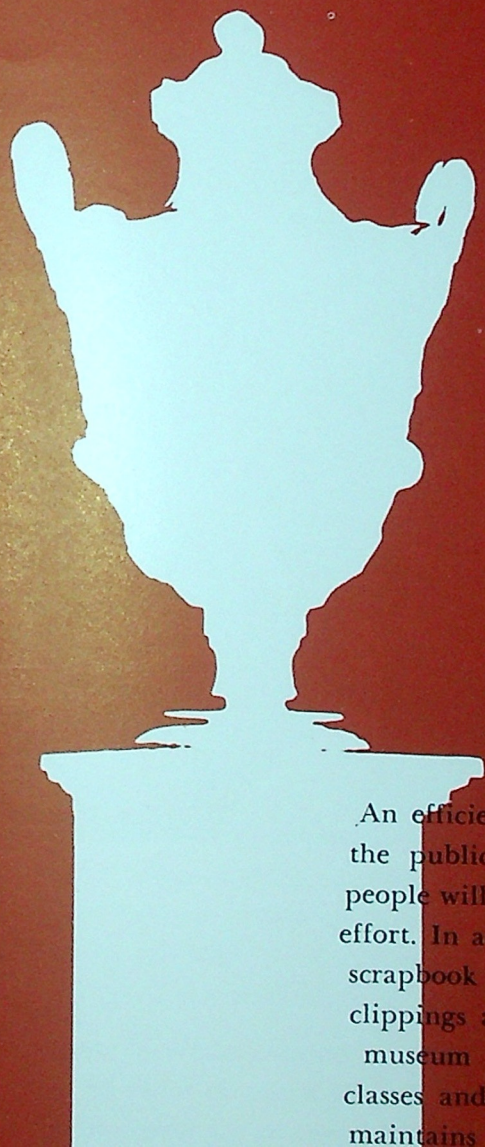




A museum is ordinarily a collection of things from the past. Fortunately, the Museum for the Arts of Decoration is much more than that. A museum, to serve a useful purpose in society, should be a living, growing thing. It should help furnish the building blocks upon which the future can be built.

The extensive use of the Cooper Union Museum by Interior Designers and students, as well as by many other types of commercial artists, who come to gain inspiration from the fine collections of period furniture, textiles, wall-paper designs, and prints, testifies to the foresight and fine taste of its founders. The Misses Hewitt, granddaughters of Peter Cooper, provided the nucleus of the present collection in 1897. Since then the museum, located on the fourth floor of the Foundation Building, has grown considerably. Today it is a goldmine of information on the decorative arts, containing about 70,000 articles.





The Museum

An efficient and courteous staff, dedicated to the service of the public, ensures that visiting students and professional people will find what they are looking for with a minimum of effort. In addition, there are various study rooms, including a scrapbook collection containing over a half-million classified clippings and items for the convenience of researchers. The museum provides drop cloths and stools for visiting sketch classes and artists who wish to copy various articles. It also maintains a library containing many rare books of interest in



THE PIONEER

To the amazement of most of the student body, and the grave concern of some, the Pioneer entered its fourth year of uneventful reporting of the Cooper scene. It must be confessed that the complete *unness* of events wrought more than the usual havoc to the news-starved staff.

However, an awesome supply of fanciful interviews with famous authoresses and other characters was provided by the Pioneer's ever-ready stable of used up editors-in-chief, of whom perhaps the chiefest was one Larry Block. This fearless newshawk delved deep behind the goings-on at Cooper's semi-secret basketball games.

The astonishing pack of editors emeritus was itself considerably astonished by an unexpected increase in its number, when Herb Kahn, erstwhile patron saint of the paper, stepped aside to make way for younger blood, a substance of which he had been almost completely drained during his term of office.

However, the paper's lofty standards were maintained under the competent management of John O'Connor and Giyora Doeh. Only one failing plagued Okey and Guy: somehow they could never quite grasp the mystical business procedures indulged in by business manager Bob Alwitt, who obtained money from advertisers by a process approaching extortion, and occasionally developed strange ideas about the amount of space necessary for news and editorials in the paper.

THE CABLE

Israel Rubin, our miserable Editor in Chief, would go around wailing that this was the worst Cable staff he had ever seen. Since he hadn't seen many other Cable staffs we took this rather lightly. For revenge we spread the rumor that Iz was the worst Editor-in-Chief that we had ever seen. One fact was undeniable. If money could buy a good Cable the rest of the staff could sit back and let old Izzie the "goniff" handle everything. Iz was absolutely certain that we wouldn't meet any deadlines at all. "Ed you !?&\$!*%# (and other choice Turkish phrases), when are you going to do some work?", he would holler at his Associate Editor. It was true, Iz never saw Ed doing any work. In fact no one ever did. However, every once in a while, when people least expected it, he would come tip-toeing into the Cable office bearing an armload of manuscripts. He also managed to enveigle Julie Franklin into making a recording. This plan backfired. "My voice", he was heard to go around mumbling, "is not on the record". Arnie Arlow, being Art Editor, naturally sympathized with his fellow art students, who are a little rusty when it comes to reading and writing. The upshot of this was that Arnie's motto became "less work for the literary staff" as he proceeded to turn out arty layouts, replete with loads of pictures and very small blocks of large, easy to read, type. After going around tearing out their hair at his requests for "blocks" of type, many a frustrated writer was tempted to go back to Arnie and say, "about that $2\frac{1}{2}$ " x $3\frac{1}{4}$ " block of type, should it present a medium gray or a light gray appearance?" It would have been no use, however, Arnie would probably have pulled out the layout, squinted at it for a few seconds, and muttered, "medium gray". Arnie was much aided by Herb Rosenthal and his eager Photography Staff. Give a photographer an expense account and he is in seventh heaven. He will even cut classes to use up your money on "Ilford FP3" film. The Literary staff headed up by Irv Gruverman and Morty Lippmann, Willie Muhlker's winter replacements, spent most of their time trying to get some work out of Ed Drogin and Willie Kruse. Murray Spector, Senior Editor, on the other hand, was above such things. All his blurbs were written early in 1935 and he had nothing to do but stack them into neat piles so that Tony Merlo could type them up.



Cable Staff

Editor-in-Chief

Israel E. Rubin



Art Editor

Arnold J. Arlow



Photography Editor

Herbert M. Rosenthal



Co-Literary Editors

Irwin J. Gruverman

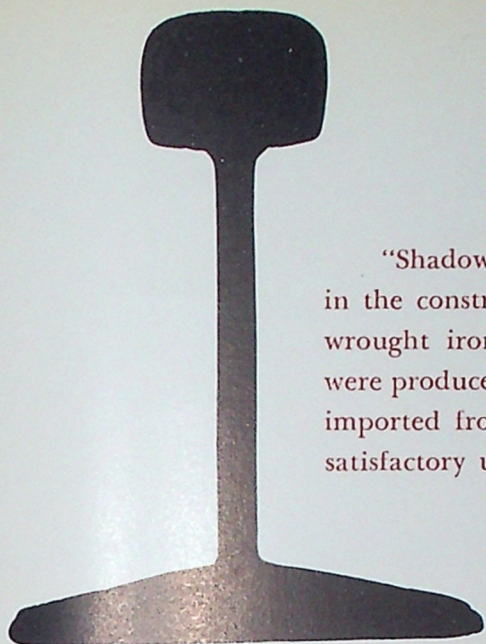
Morton Lippmann



Associate Editor

Edwin M. Drogin





"Shadowgraph" of a cross section of the original beams used in the construction of The Cooper Union building, 1853. The wrought iron beams, first ever rolled for structural purposes, were produced by Peter Cooper's Trenton Iron Company on rolls imported from England for the purpose. They are still giving satisfactory use after a century.



Assistant Editor	Senior Editor	Business Manager	Advertising Manager	Recording Editor
<i>Peter F. Straka</i>	<i>Murray Spector</i>	<i>Marvin C. Fields</i>	<i>Leon M. Lehman</i>	<i>Julius I. Franklin</i>

LITERARY STAFF:

William J. Muhlker, William E. Kruse, Marcia S. Udoff, Manuel R. Ortega, Charles B. Slackman.

ART STAFF:

Lou Grant, Assistant Editor; Helen M. Hayashi, Marilyn Stern, Richard Presser, Robert A. Birmelin

PHOTOGRAPHY STAFF:

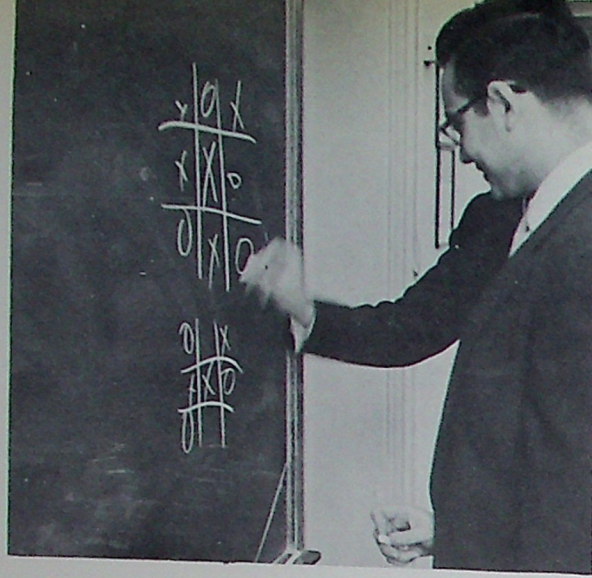
Charles E. Gillen, Lawrence Wasco, Joseph C. Gala.

BUSINESS STAFF:

Louis F. Schaefer, Bernard S. Blum.

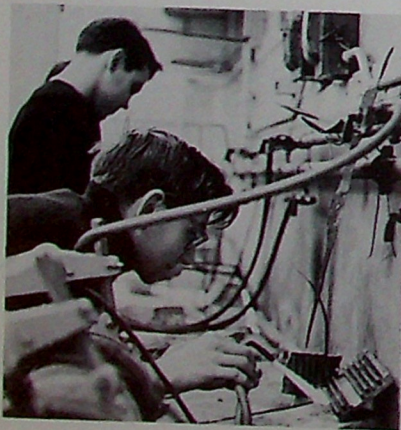
SENIOR STAFF:

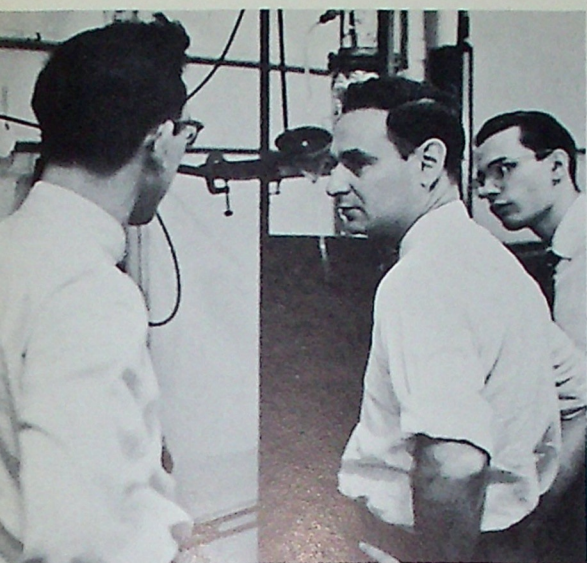
Tony Merlo, Philip A. Harding.



MORE TRACES

what kind of vegetable you want with
the *whatre we supposed to do for pro-*
fessor ya gotta admit while she aint
bright shes homely *met the cutest fella*
last lend me your fluids homework so i
can copy it in the library you *on the*
pioneer i got a letter for the editor when
this same material is used in members

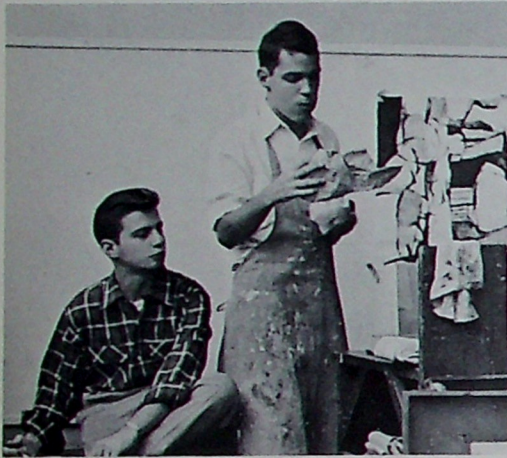




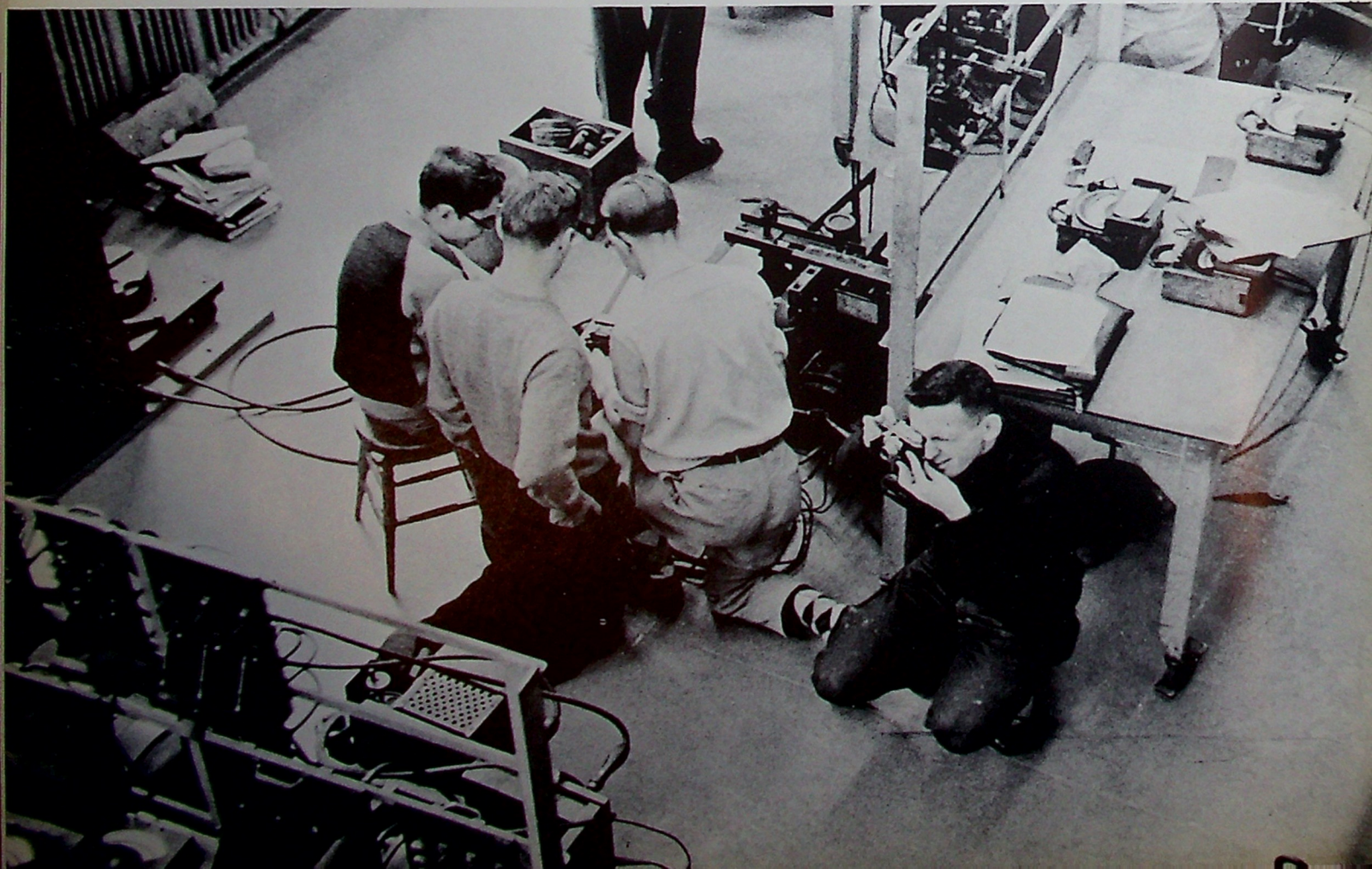


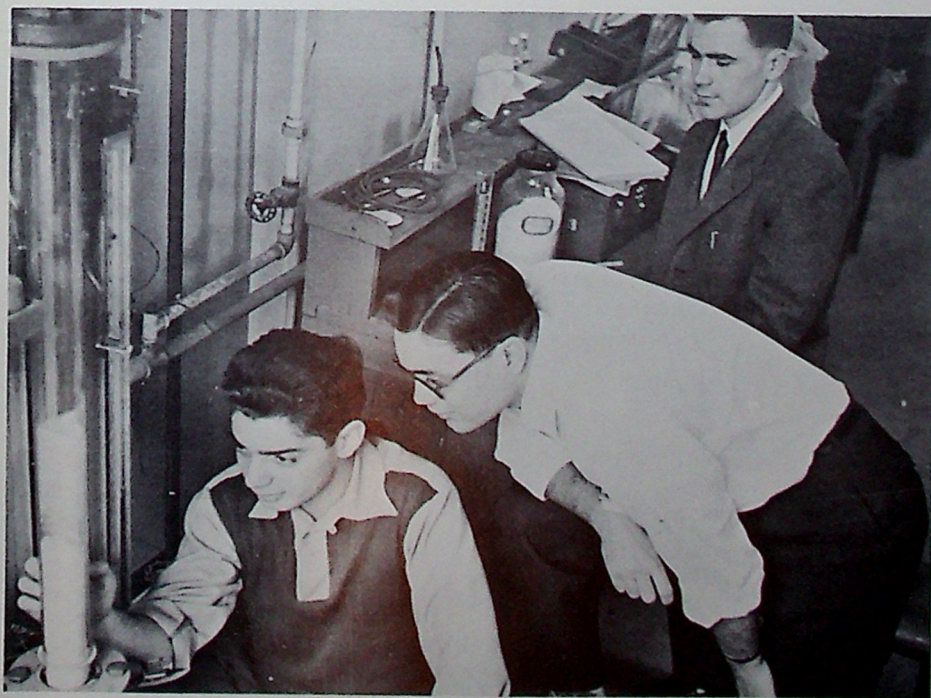
subjected to axial tension or *the greatest double feature*
ever jack larue and so im sitting up there in the office
 sweating my got home around four well she says couldnt
 get the tune outa my head goes dum te da dum da dum
thats from what could i tell him i was just minding my
 own hey you going up on next weeks camp trip hes
 screaming down the hill and pow right so he reaches up
 and turns out the light so i say to him i know youre an
 e e but took me a whole week to clean the carburetor
 leave that chair alone it belongs to this table





he returns the paper with all kinds crazy idiot markings on it *say guess who got drafted my fatherll probly raise hell who got my check its a cuppa cawfee an a danish* an hes taking me to see wonderful *grab your books its time to go back cmon* levy here lyon here leichman anybody see *making the ascender twice the height of* from a study of the properties of structural steel we find *get some paint on your brush* for a house and five hundred square feet of space including *replacing the usual resonant circuit of an oscil-* lator with what kind of monogram does he mean







you see the shapes in this area recede when working with terra cotta you gotta be careful not to and i need a number two b pencil how much is that paper with the squares on it what-didya use to mix that green prussian and what else gimme a paint rag quick i spilled ink all over the in twenty four point bold upper case this plasteline gets under your nails what did he say a maxwell coil was sorry no i dont smoke got a light all i know was the gibbons and how they brachiate saw the most on television where this guy tries to who got a layout on that perfume thing

manny we havin a test tomorrow in if i get through this year ill be thankful of course that doesnt include the cost of having it printed i didnt think it was as sexy as his last book that scene where she ywanna head out a few minutes early get a copper plate measuring about for next week i want you to hand in and take the last four on page you wanna walk to fourteenth i thought you lived in so far ive furnished my place by way of the automat and the sagamore hold it i left some stuff in my locker wait for me in the lobby look bill you do the thermo and let me borrow it in the morning you take the bmt its okay the bell rang wanna stop off for coffee whos takin the lex can you give me a lift to gnicht joe see ya early gnicht so long . . .





Activities

Activities Plan

At the close of each school year, while ordinary students are feverishly studying for exams, the A.A. president, Cable editor, etc. are engrossed in a mad search for money. For the past three years, their search has brought them all to the same person, the chairman of the Activities Plan. This year the enormous responsibility of feeding these money hungry mongrels fell to Murray Spector.

Spector dropped night school and immediately surrounded himself with a slew of highly capable vice-chairmen. After much horse trading, a budget was finally established based on a minimum sale of 600 A.P. subscriptions. The fact that there were to be no night school engineering graduates did not faze Spector at all. He acquired the services of a former confidence man, Fred Reiner, who in his spare time mastered the art of pick-pocketing night students.

At the end of the first week the school was flooded with posters and letters, courtesy of Norman Gordon, but sales lagged far behind the anticipated rate. During this period all the vice-chairmen proved themselves to be highly capable at restraining sales.

It was at this point that Phil Harding joined the committee. He was soon to be found pestering people all over school.

When the smoke cleared at the end of October, A.P. had its third straight successful year with 618 subscriptions. Credit must be extended to Eric Herzlich, who, because of his inherent modesty, is not pictured here. Without his vast knowledge of 2A arithmetic, the day to day record of sales would never have been known.

Even as this book is being distributed, next year's A.P. committee is organizing its plans. Without the students' sense of responsibility and support of A.P., few of the activities here illustrated could function. It is hoped that the spirit developed within the past three years will prevail in the future.



Student Council

Each year the Student Council endeavors to achieve one or two important goals. The aims of the present Council are twofold—the streamlining and practical revision of the Constitution under which we are presently functioning, and the active participation of the Cooper Union Student Council in national student government organizations, such as the United States National Student Association.

We have been operating inefficiently under the present Constitution since the Spring of 1951. During the ensuing time, the Council has been impeded by numerous shortcomings and loopholes in this, the foundation of our student government. The aid of the Judiciary has been enlisted to interpret the fundamental ideas and re-express them in lucid, unequivocal language. The result of this work will certainly enable future Councils to conduct business efficiently and efficaciously.

In comparison to other colleges and universities, our student government is still in its adolescence. There is much that can be learned through the medium of a national organization expressly founded for the dissemination of vital information concerning student-campus problems. Aside from governmental maturation, The Cooper Union, by its association with other schools, will gain in national stature.



Social Activities Committee

Carrying on in the tradition of the SAC, Larry Kittiver was able to introduce sex into the life of the average Cooper ascetic. A large measure of the SAC's success this past year was due to the efforts of Walt Schwartz, Tony Merlo, and Irv Silber.

The Fall season was initiated with a highly successful Halloween Square-Dance at Tom Mooney Hall. The Snowball Festival and The Reindeer Romp followed, ushering in the Holiday Season in grand style. At both these dances Arlington Hall resounded to the strains of Manny Ortega and the Cooper Union Band. All present were properly imbued with the appropriate spirit, both Christmas and bottled in bond. The results were hearty Christmas carols, wild dancing, and headaches the next morning.

In response to the Square-dancing craze (few Coopies can dance much else), the Rustler's Roundup, featuring real live square music provided by the Outlaw Three, was held early in the second semester.

The success of the SAC's efforts were attested to by the multitudes of contented Coopies who attended each one of the affairs.

Athletic Association

The Athletic Association was organized to provide the student body with a well-coordinated sports program. Anyone experienced in conducting student groups would have been amazed at the orderly procedure of the meetings. Ken Ozer quickly discovered that Robert's Rules of Order were inapplicable and substituted his own. Flexing his muscles at the cowering Governing Board he orated till he felt that his opinions had been amply expressed. A dissenting majority vote was always met with the discovery that a quorum was not present.

Strangely enough this system proved quite effective. A.M.S. was quickly put to shame when they made charges of corruption in the Intramural Volleyball Tourney. Ken vindicated referees Warshauer and Straka in short order. He was moved almost to tears by the slur on the integrity of A.A. members.





Athletics

Basketball

It was six seasons ago, in 1948, when Dave Tobey took over as coach of the Cooper Basketball Team. In those days the Pioneers scheduled such teams as St. John's Pharmacy, Brooklyn Pharmacy, Columbia Pharmacy, and Julliard School of Music.

Times have changed. This season the Varsity scheduled Columbia Pharmacy again, apparently out of sentiment, or perhaps just to give the second string a chance to work the ball.

In the matter of whether or not this was a successful season, the reader is a good deal better informed than we, since this is written while the season is but half ended. We do know that the team has won a thrilling Parents Night Victory over Hunter, and that it lost two games in overtime by one or two points, so that the year can hardly have been considered to be dull. But the matter of a successful season cannot be told by the mere tabulation of points, for and against. This is the toughest schedule the varsity has ever faced, including Hartwick College, Brooklyn College, Queens College, Kings College, Brooklyn Polytechnical Institute, New Britain State Teachers and Baltimore University, with hardly a breather from beginning to end. Whether we have won or lost (and we have won our share) is not nearly as important as the spirit in which the games were played. Games which are lost by one or two points (and we have lost our share of those, too) are lost only because the opposition scored a goal more, not because they played any harder or better. Cooper teams played the best they knew how every second of every game they played, and no matter what their record, it is something of which they can be justifiably proud.

BASKETBALL TEAM 1953-54 RECORD

	<i>C.U.</i>	<i>Opp.</i>
Alumni	80	70
Brooklyn College	64	83
Rutgers University	75	66
Towson St. Teachers	81	62
Philadelphia Textile	69	59
Baltimore University	66	71
Broome Tech	84	73
N.Y.S. Maritime	53	55
New Britain St. Teachers ..	71	80
Hunter College	62	60
Pace College	69	70
Columbia Pharmacy	76	45
Kings College	73	75
Pratt Institute	84	97
Hartwick College	87	76
Brooklyn Polytech	78	82
Stevens Tech	63	71
Queens College	71	73
Yeshiva University	82	76



Volleyball

The Volleyball Team, under the inspired leadership of Mr. Zarchen, got its campaign successfully under way by beating McBurney YMCA, winning three games to one. Cooper's Netmen showed superior spiking and excellent defensive tactics in their first few matches. The loss of three of last year's starters doesn't appear to have affected the team very much, and it is looking forward to a fine season.

Two trips are scheduled for the team. One is to Boston where several colleges are to participate in a meet. The other is to Binghamton for the Eastern Inter-collegiate Volleyball Tournament. If everything turns out well, the Coopermen should take first place in both tourneys.

A bright future awaits this year's team, since there are no seniors and only three juniors on it. The other members, mostly sophomores but including some freshmen, will provide a core of seasoned players for next year's team.

Intramurals

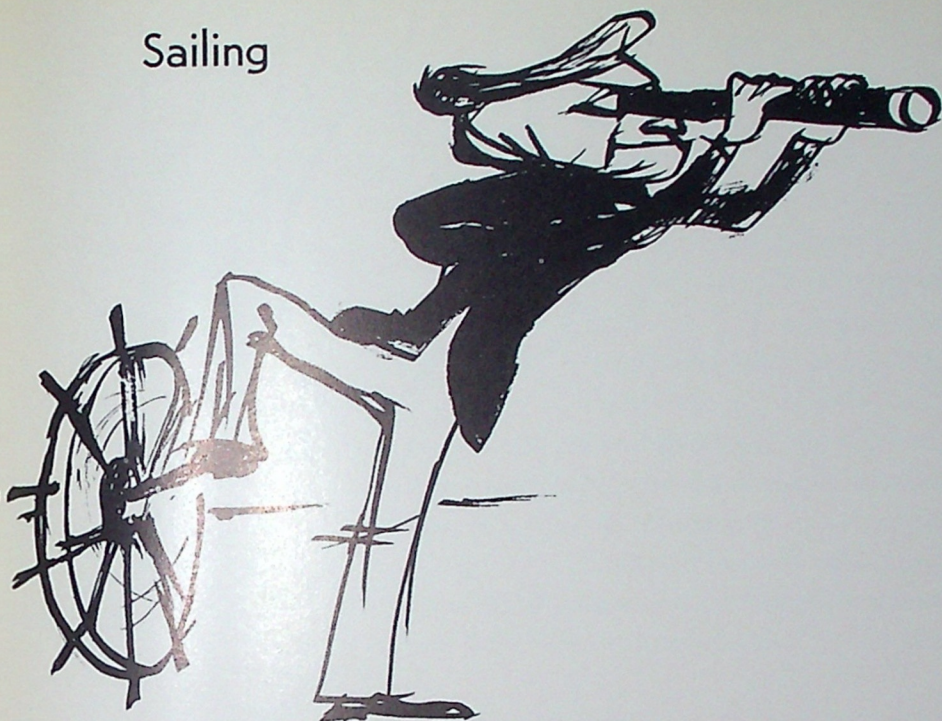
The purpose of the Athletic Program at Cooper is to provide those students who lack varsity ability with the opportunity to indulge in organized athletics. To this end, the Intramurals have been organized.

Considering the limited time available, a wide variety of sports are available. Group participation sports offered include volleyball, bowling, basketball, and softball. The individual sports sponsored are table tennis, handball, and swimming.

The past season was highlighted by the victory, for the second successive year, of a freshman section in the Volleyball Intramurals. It would seem that Professor Hollinger's volleyball instruction to the freshmen has something to do with this feat.

The winner in the Fall Bowling Intramurals had to be decided in a playoff between 3DCE and 3DEE.

Sailing



The Cooper Sailors showed a tremendous improvement over last year, when they placed last in every meet of the fall and spring seasons. This years events placed them:

1. Third out of three.
2. Third out of six.
3. Sixth out of eight.

4. Tied for first against the Alumni. This was the first time they had not been beaten by their own Alumni. Five heats produced the tie.

5. Third out of three in the Weekend Traditional for the Tom Seldorf Trophy. Webb, Vassar, and Cooper competed and finished in that order.

After this fall's promising showing, the team is looking forward to the spring with great expectations to the fruits of their increased experience.

Fencing

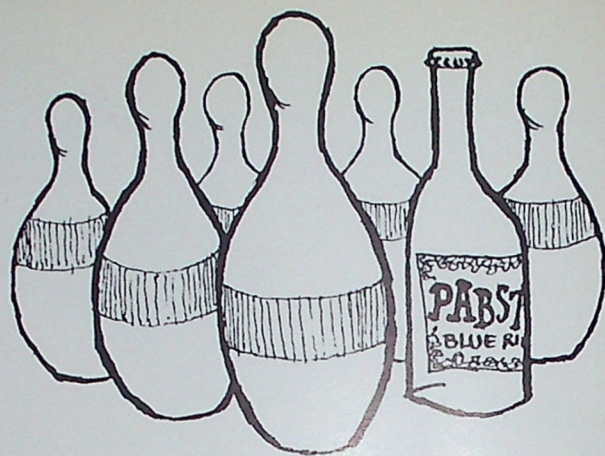
In a world apparently dedicated to assembly-line gore, swordplay has lost its original punitive meaning. However, the art of Cyrano is being preserved here at Cooper by a small, exclusive group: The Fencing Team.

Steeped in the romantic tradition of *le code duello*, the members of the abovesaid society forgo the pleasures of homework in order to spend their Monday and Thursday evenings at their *salle de arms*—the Church of All Nations. On such nights, the sound of steel meeting steel echoes through the hallways as the disciples of d'Artagnan execute the complex movements of the almost lost art of fencing.

The reward for the many nights of strenuous practice comes in February, when the team that will participate in intercollegiate competition is chosen. The Cooper Union Fencing Team is ready. *En Garde!*



Bowling



Due to the loss of some men at the beginning of the season, the keggers did not fare as well as was anticipated. Bowling in a league which was much stronger than in previous seasons, the team showed much spirit, as was evidenced by the fact that they were shut out only twice.

Captain Ken Ozer and his stalwarts showed improvement from week to week and managed to upset each of the league's leaders in at least one game.

Highlighting the season were Pete Snoek's 265 game and the engineering of the first defeat handed to first-place Farleigh Dickinson, after twelve straight wins by the New Jerseyites.



Rifle

Although only one man from last year's squad graduated, the Rifle Team, led by Captain Jerry Field, was not duped into drastically improving its record. It maintained its usual standing. Four men — Norm Becker, Bill Elhoff, Jerry Field, and Bob Skowronek — graduate this year, providing a great opportunity for next year's squad.

At Green Camp the Riflemen improved on last year's record by adding the activity of cabin-building to its usual list of Gano Dunn Match, Venison Dinner, and camp trips.

JV Basketball

The Junior Varsity Basketball Team, under the able direction of Mr. Zarchen, has just begun its third season. Although the records of the first two seasons are not spectacular, the J. V. has accomplished its main purpose, providing experienced ball players for the varsity. In the past two years players like Bob Kohrs, Arnie Kaminer, Frank Leccese, Dick Lent, Danny Gott-helf and Dick Lytle have moved up from the J. V. to the varsity. In fact, Roger Sadler, who has averaged 25 points a game for the first three J. V. contests this year has already been taken by Mr. Tobey to work with the senior organization. As varsity ballplayers keep graduating, the J. V. will have to continue supplying more and more material, which means that Mr. Zarchen will invariably have to start with a new club each year.

There is a good looking season ahead both for the record and turnout of varsity stuff. Once Jack Kahrs and some of his freshman team members get some experience, they will be quite valuable to the school's basketball hopes.

Cheerleaders

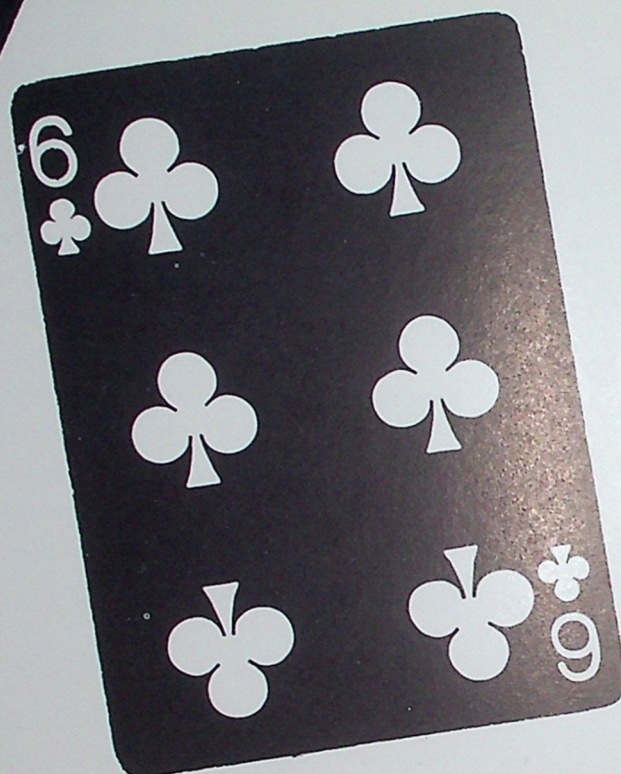
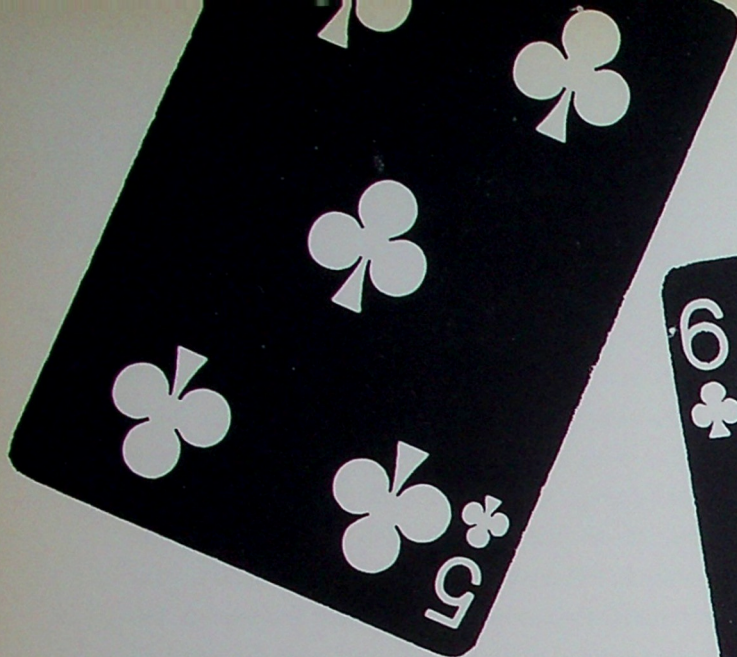
"Cooper Union, Fee Fi Foh, Will we win? How should I know."

Cooper's winsome cheerleaders, Adriene, Arlene, Sheila, Edith, Jeannette, Joan, and Eleanor had a large share in fashioning the basketball team's fine record this year. Starting the season in new, ever briefer uniforms made by themselves, their infectious enthusiasm inspired both the players and the audience at every contest.

Their team spirit rose to such heights, indeed, that when the team made a weekend trip to Philadelphia and Baltimore, the girls went along at their own expense, staying in a different hotel.

The six girls represent six different styles of beauty, which enables them to form interesting patterns on the gym floor. Such imaginative cheers as "The Locomotive" and the "Indian Cheer" have the result that the spectators come as much to see the cheerleaders as they do to see the game.





Clubs

Humanities

The Humanities Club continued, during its fourth year, to present programs for the school as a whole to supplement the classroom teaching of the Humanities. The Fine Arts Committee presented a survey of music and arts by means of records and slides from the twelfth century to the present. The Film Group presented a very popular series of films that were off the beaten track, a sort of small Cinema 16. The Dance Committee continued with its supervised program of modern dance instruction and participation, and the Social Philosophy and Literary Groups had programs of guest speakers and seminar discussions with exchange students.

Newman

The Newman Club is a club for Catholic students in Cooper Union. The purposes of the organization are both social and spiritual. The club meets at least once weekly and carries on an active program of panel discussions, group discussions, student lectures, and lectures by the clergy. A series of talks on the "Christian Marriage" was given this year by the club chaplain, and they turned out to be extremely interesting and informative. Social activities included dances both at Cooper and at other Newman clubs, communion breakfasts, and the regional Newman Club Province Convention held every other year in February.

Protestant

The Protestant Club is an organization open to all students regardless of religious denomination. It is a religious, educational, and social club that meets throughout the academic year, usually biweekly. The primary purpose of the club is to bring the members closer together spiritually by gaining understanding of the different denominations and by social affairs with similar groups at local colleges.

IZFA

The Cooper Union chapter of the Intercollegiate Zionist Federation of America was founded in 1949 for a group of students interested in Zionist activities. In 1951, the group expanded its activities to include those of general cultural and religious interest to Jewish students in The Cooper Union.

The year's activities have been both social and educational in nature. Lectures and discussions have been led by speakers both from within the Cooper Union and outside sources and by students. Social activities have included Israeli song-and-dance sessions, gatherings on holidays and religious occasions, and affairs with other college groups.



Dramatics

The Cooper Union Dramatic Club, an integral part of the Humanities Department, caters to the Jose Ferrers and Geraldine Pages of tomorrow. Thanks to the club, both Art students and Engineering Students have the opportunity to express themselves on the stage of the Great Hall, where all the student productions are given.

The club gives two productions a year; one in the Fall and one in Spring. Eight to ten weeks of rehearsal go into each production. There are usually two performances given of each play.

Up until the Spring term of 1954, the Dramatic Club had been in the capable hands of Professor Richard S. Bowman. Now that Professor Bowman has taken a leave of absence from Cooper Union, the club is working with a new director and producer, Mr. John Hurd. Mr. Hurd comes to Cooper from the Brander Matthews Theatre at Columbia University. His first production at Cooper was "The Crucible".

In the Spring of 1953 the club presented "The Happy Time", a three-act comedy by Samuel Taylor. The production was directed by Professor Bowman and Martin J. Charnin. The Fall production was entitled "Interiors", and was comprised of three one-act comedies by James M. Barrie, Susan Glaspell, and Lord Dunsany.

There are many opportunities for Cooper Union students interested in the theatre to find work with the Dramatic Club. Positions range from acting and stage-managing to publicity work.

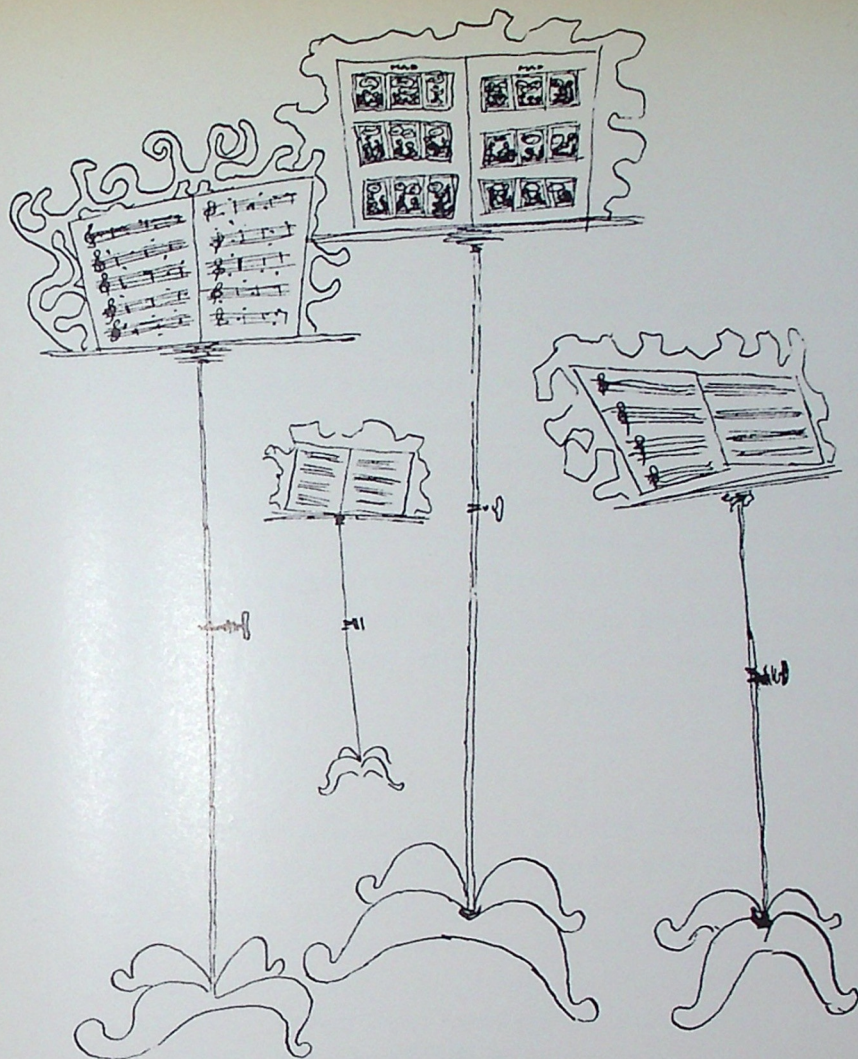
The Great Hall stage, which at first seems a tremendous obstacle to any production, soon becomes an interesting and creative organ for set designers and decorators to work with.

To the students of the Cooper Union, the Dramatic Club offers a great outlet for any suppressed desires and mental blocks one may acquire from not being able to get into a school play in high school. No acting experience is necessary for one to join the club.

"All the world's a stage . . .

And the stage,

Is the world of entertainment".



Orchestra

It is seldom that an organization is improved by losses through graduation or otherwise, but the orchestra achieved this dubious distinction. It was bolstered by a score of innocents who came from C.C.N.Y., Brooklyn, and the Unemployment Bureau to "make music", and who were under the impression that Manny Ortega was David Broekman and that Room 203F was the Great Hall.

Thanks to the diligence and hard work of a few, the guidance and loan of his saxophone by Prof. Wallace, and in spite of the loss of both maracas, the past season was highlighted by;

scattered applause at some of the dances.

a rehearsal in the Great Hall late one Wednesday night. No one came to listen.

an expression of interest by the Hunter College Senior Prom Committee.

an offer by the night elevator operator to "show you guys how to play the sax".

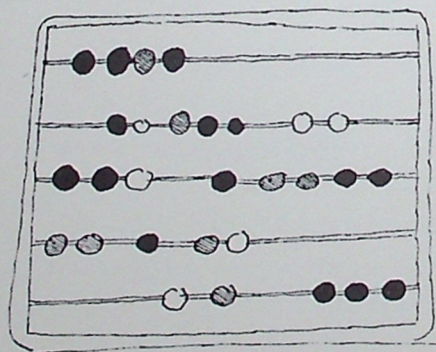
Chess



Despite the handicap of having to engage in a pitched battle with the squatters in the pioneer Office every Friday for the possession of its chess boards and pieces, the Chess Club enjoyed a highly successful year in which more people joined than quit. The Fall single-elimination tournament was featured by Larry Block playing six matches and not getting past the first round, and Bohdan Andrushkiw winning without playing a game. No one bothered to show up.

The Chess Team had a fine record in intercollegiate competition, losing only to City College. Although it is losing such stalwarts as Block, Kahn, and Lippmann this year through graduation, it can look forward to one of its better seasons.

Math



The Math Club this year took a bold step in its headlong departure from tradition. Originally, it was a seat for erudite discussions by the upperclassmen. The freshmen could not comprehend, so they drifted away from the group. When the upperclassmen graduated, the club collapsed.

A new club was built up, with lectures planned to be within the grasp of freshmen. But the society seemed doomed to extinction. At the beginning of this year only one member was left. The incoming freshmen were interested enough to reform the Math Club. All lecturers and officers were freshmen. Nearly all members were freshmen, too, and the discussions are now beyond the comprehension of the upperclassmen.

Table Tennis

The Table Tennis Club consists of a number of enthusiasts of the sport, possessing varying degrees of skill. On a Friday afternoon the gnip-gnop players can often be found searching the myriad niches of the basement in hot pursuit of their only ping-pong ball.

Hiking

Away from the hurly-burly of the city into the squirrelly serenity of the country-side goes the Hiking Club, answering the call of nature. In the past year, under the leadership of Phyllis Carey, George Fischer and Don Cotten, many an interesting trip resulted from investigating this mysterious beckoning.

Up the Passaic River in a canoe, through Sea-cliff, Long Island on a bicycle, camping in the Catskills, rock climbing on Breakneck Ridge, horseback riding, and hiking in the moonlight (with Queens College), through the Indian Caves at Inwood Park, spelunking in underground caverns, tramping around Bear Mountain, up "Anthony's Nose" and along the Cannon Ball Trail, always moving onward into new adventures, that was the Hiking Club.

The home of these "noble savages" is on Cupsaw Mountain, from which once a year they tramp down and invade Green Camp's Country Club. When at home, they eat, argue, solve puzzles, paint pictures, and on boisterous occasions, dissipate their effervescence in construction of their auxiliary log shelter.



Ex Post Facto

At a well attended meeting of Ex Post Facto, a motion was unanimously passed to award honorary keys to Dean Roemmele and Professor Wallace in appreciation of their active interest in the Cable. Thanks to their efforts and the generosity of the Senior Class of 1953, the Cable Office now has a typewriter that works, new steel furniture, an electric clock, and most important, adequate lighting.

At another such business meeting, ten new members, Arnie Arlow, Morty Lippmann, Irv Gruverman, Bob Alwitt, Ed Drogin, Herb Rosenthal, Tony Merlo, Murray Spector, Julie Franklin, and Pete Straka were unanimously elected to membership, increasing the active membership eleven-fold.



Lambda Tau

The Lambda Tau Fraternity is the honorary organization of ex-editors of the Pioneer, of which there is always a plentiful supply. Their chief function is to clutter up corners of the Publications Office with their private affairs, mooch cigarettes from the glassy-eyed incumbents, and offer destructive criticism. Lambda Tau members are also known for suggesting violent editorials, generally embodying pet hates that they would have liked to air when they were in office, but dared not.

A rather loose organization, Lambda Tau holds occasional meetings to which nobody comes, goes to Green Camp in company with a lot of outsiders, and brings its friends into the Pioneer Office for chess, political arguments, and homework.

In the coming twelve month, Lambda Tau expects no changes in its format, for the graduating members will be replaced by others at least equally apathetic.



And now the day is over;
and now the tables at Coscia's
and Sagamore's
are scrubbed down,
the chairs upended, the lights put out.
The last cup is drained;
the last cigarette snubbed out.

The groups of students pass once more
the great brown building, silent now, in dark
The day is over.

.... And some will wonder,
some will calculate the profits
and the losses of that day,
and wonder if they gained or lost.



The Graduates



ALEXANDER J. ADAMS

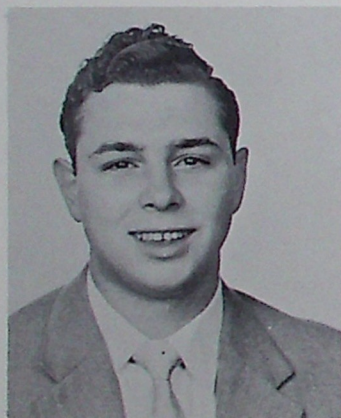
21 Arden Street, New York. CE
Reticent "Ace" is truly one of the most industrious individuals in the CE crew. His outward austerity is greatly relaxed however when in attendance at any ODP social function. He is both an authority on the science of map-making and the last of the Cooper Association of Ammann and Whitney Insultants.

PETER M. ADLER

1 Stuyvesant Oval, New York.

F&GA

Among other things Pete is known for his trips to the bowling alleys of Sloatsburg at two in the morning. A veteran of both Day and Night School, he recently resolved his aesthetic difficulties—make money.

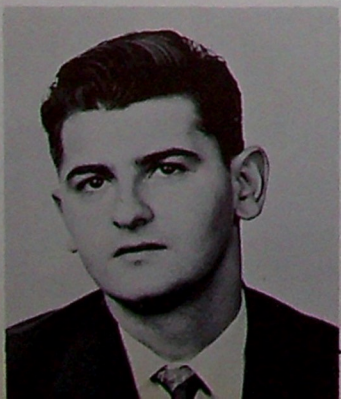


ROBERT E. ALLOCA

2173 East 36 Street, Brooklyn. ME
With his curly hair and dimpled cheeks, "Bobba" was one of the cutest boys in his class, an opinion in agreement with that of his fiancée. Bob was a member of ASME and the intramural bowling team.

ROBERT S. ALWITT

2769 Sedgwick Ave., N. Y. ChE
Quick-witted Pioneer Business Manager, Bob belonged to that small group who kept Cooper's publications going, despite such annoyances as Unit Ops. reports. He claimed photography as his hobby, but could often be found playing in the Orchestra, or browsing through the Whitney Museum.



MARVIN AMES

1577 St. Marks Ave., B'klyn. CE
Among Sim's attainments at Cooper were grand rulership of LSK, presidency of Chi Epsilon, and membership in TBP. A young lady named Laura and an amiable grin will undoubtedly make the ingredients for a promising future.

ANDREW F. ANDERSON

437 East 23 St., Paterson, N. J. CE
Join us in toasting the ONLY night
engineering student to be graduated
in 1954: Congratulations, Andy!



BERNARD M. ANZEL

353 Cypress Ave., New York. EE
"Neurot" was the terror of instructors
who followed the book. Engineering
texts were exposed as hotbeds of
error and confusion when Bernie sub-
jected them to his brilliant scrutiny.
Everybody who wants to keep him
on the job should buy Christmas seals.

ARNOLD J. ARLOW

36 Bay 32 St., Brooklyn. F&GA
"I'd love to come back and lecture,
Prof. Dowden, but I'm free lancing a
twenty-page, full color spread in
"Life", and with my left hand I have
to finish my last painting for my one-
man show at the Museum of Modern
Art. I'll try to make it."



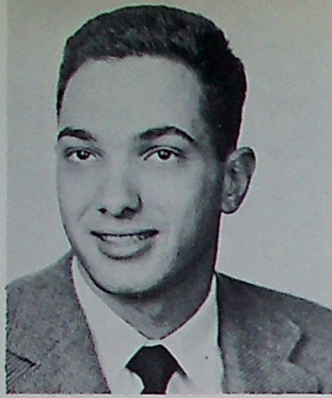
NORMAN BECKER

2934 West 21 St., Brooklyn. ME
Famous for his shirts and ties, Normo
was the coolest cat in the class, one
of the crack shots on the Rifle Team,
and Vice-President of AA. He also
managed to acquire a reputation as a
mambo expert. "Well? Here I am!"

LESLIE M. BERLOT

92 Second Ave., New York. ME
Les lived practically across the street
from school and thus sometimes was
early to morning classes. Besides his
musical activities on the guitar and
piano, Les belonged to ASME, AMS,
and folk-song group in Cooper.





JOSEPH T. BERNSTEIN

300 Glen Ave., Short Hills, N. J.
ChE

Joe's Cornell-bred calm and quiet tact forestalled many imminent drownings in Unit Ops. Lab. One of the talented few able to restrain Leo Gabay, he contributed some measure of sanity to the inner circle of the Black Hand.

ROBERT A. BIRMELIN

65 Ridge Ave., Bloomfield, N. J.
F&GA

Bob is a serious student whose tenacity in seeing things through to the end will stand him in good stead. In Bob it is the quality of perseverance which will carry him to his goal in life.



PAUL J. BLAKE

627 Delaware Ave., Ridgewood,
N. J. EE

P.J.B. is probably a banker or lawyer in disguise. He gave himself away when he submitted his Civilization term paper in the AIEE contest. Banker or not, he still managed to get elected to TBP.

LAZARUS M. BLOCK

334 Eastern P'kwy, Brooklyn. EE
The formation of the EE squad of Larry Block, Herbert L. Kahn and Murray Spector was inevitable, for not only are all three former Editors-in-Chief of the Pioneer, but they are all uneasily conscious that doom is lurking just over their shoulders. Larry is the one who has a girl-friend, Art school graduate Barbara Bland. He is an LSK man, and (Cont. under Kahn)



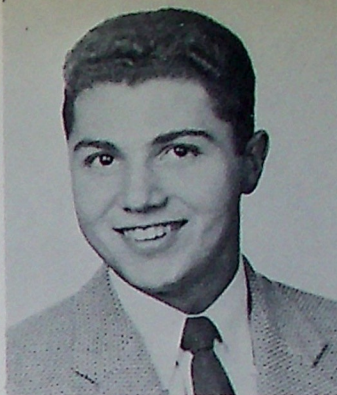
KARL H. BOECKLEN

237 East 35 St., New York. Arch
Karl is one of those congenial personalities with whom we do not come in contact very often. In addition to being jovial and good-natured, he is a hard and studious worker.

DONALD A. BOLOGNESE

4065 Carpenter Ave., N. Y. F&GA

There are just about as many facets to Don's character as there are ways to pronounce his name. At various times he has been described as comical, serious, sarcastic, sympathetic, cheerful, and drunk.



ERNEST O. BOSTROM

50 Franklin St., East Orange, N. J.
Arch

Ernest's exceptional ability for design and novel approach to architecture, combined with a personality which is capable of inspiring confidence the moment one meets him should, we feel, take him far.

DAVID A. BRAY

127 Parkside Ave., Brooklyn. ChE

Dave is an unassuming fellow who, in his third year, eluded the clutches of SKT, the nefarious local chapter of the Black Hand Society, by going steady and doing his own homework.



JOSEPH A. BRAZINSKAS

146 S. Broadway, Yonkers. Arch
Joe was an architectural student of exceptionally high capacities. His warmth and dry humor, seriousness and persistency have combined into a genuine individuality.

GEORGE B. BROSKY

70-30 66 Street, Glendale. CE

George, the vocal member of the Brosky-McCabe combine, has passed many of his more pleasurable hours at Cooper distilling cheer in the rooms of ODP. Inasmuch as he has already established a reputation as a "big field man", especially on the transit, his future success should be assured.





ROBERT W. BUECHERT

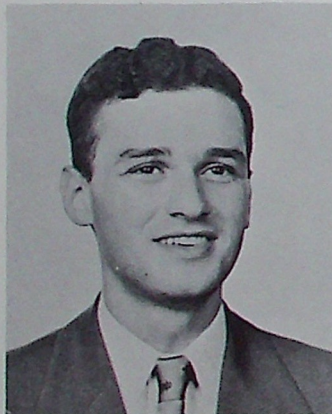
1579 Summit Ave., Hillside, N. J.
F&GA

Bob is the man who used his time at school to practice being a successful advertising manager. Coming in from Jersey City every morning at a time appropriate for an executive and looking the part well, he fired three of his instructors in his last week of school.

BERNICE H. BURLAKOFF

2361 Coney Island Ave., B'klyn.
F&GA

Bernice epitomizes that old adage which we have clutched to our bosoms for these many years: "The secret of success is constancy of purpose."



HERBERT CAHN

545 West 164 St., New York. ME
The engineers' "number one man" is a pillar of strength in kinematics and other fascinating subjects. A good classmate with a quick wit, President of ASME and IZFA, Vice-President of TBP and PTS, the sun never sets on Herbert.

RAYMOND A. CARDONNE

305 Frederick Ave., Bellmore. ChE
Obsessed with the strange desire to graduate in four years, Ray divided his thirty-one hour day between day school, night school, and part-time work in Wanamaker's. He commuted from his home in Bellmore, managing on alternate Thursdays to sleep during the three-hour ride, and dream of un-attended SKT parties.



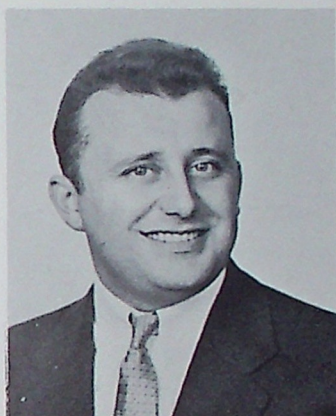
PHYLLIS CAREY

157 Grant St., Hayworth, N. J.
F&GA

She could be seen any day busily and conscientiously attending to her duties as President of the Hiking Club. A generous person, always willing to help, Phyllis has the capacity to organize well and accomplish what she sets out to do.

ISABELLA CASACELI

426 East 9 St., New York. F&GA
Modest and unassuming, Isabella is a sincere person who imbues all her work with an intensity and honesty that is rarely encountered. She is a fine artist in both purpose and practice.



EMIL J. CHECCHI

647 East 14 St., New York. Arch
A man with craftsmanship in his hand, ambition in his heart, and a sense of humor to lighten the way, he will achieve desired success.

ELAINE R. CHIONCHIO

88 Bay 19 St., Brooklyn. F&GA
During her three years she tried to convert Cooper Union with her religious art—but every time she fluttered those big brown eyes there were ten more sinners.



DORIS A. CLARK

16 Banta Place, Bergenfield, N. J.
F&GA

A keen, intelligent mind makes Doris outstanding in her work. An active member of the Hiking Club, she is a great lover of nature and the outdoors.

DAVID R. COOPER

283 Eighth Ave., Paterson, N. J.
Arch

Dave looks like a fullback, but he's really a bright young city-planner and serious student of several non-architectural pursuits. In his spare time he does fashion modeling for Dr. Zucker.





ARTHUR H. CORWIN

305 East 10 St., New York. F&GA
 . . . furnished his apartment from
 garbage pickings, owns a cat factory,
 smokes KOOLS, and is best known for
 his ventilated footwear.

JOSEPH M. CRIVY

964 East 27 St., Brooklyn. F&GA
 Quiet, contemplative, pensive, retir-
 ing, shy, thoughtful . . . and you be-
 lieve this ? ?



JOAN A. DAIZOVI

7301 Hudson Blvd., North Ber-
 gen, N. J. F&GA

Joan is known in the night School by
 her flashing eyes and gentle smile.
 In the daytime however, she is a very
 serious gal. "I'm painting!"

DAVID DAMBOWIC

21-15 34 Ave., Long Island City.
 Arch

Admired by all for the neatness and
 intensity with which he pursues his
 work, Dave carries this same care into
 his general appearance. He is best
 known for having a prolific imagina-
 tion, and a personality well-liked by
 everyone.



FRANK DAUTILIA

152 Monroe St., New York. Arch

Frank is one guy who would succeed
 at anything he undertook and the
 world of architecture may be proud
 to claim him. With a smile that could
 charm an oyster out of its shell at
 sixty paces, he goes through the
 women of New York like a devouring
 flame, although his action is in gen-
 eral not so destructive.

JERRY P. DAVIS

155 East 2 St., New York. ChE
Known for his instantaneous and vociferous debates with instructors, Jerry was often found, long after class had ended, happily scribbling equations at the blackboard. This habit earned him chalk-stained fingers, TBP membership, off-season Florida suntans and a fiancée.



RAYMOND J. DE LUCIA

846 41 St., Brooklyn. Arch
His architectural and athletic prowess are often hidden by his quiet, conscientious, and friendly attitude.

PASQUALE G. DEL VECCHIO

1242 Commonwealth Ave., New York. F&GA
Overheard at the Art Director's Club—
"Look man, I dig this Picasso cat the best, but I feature Rudy De Harak the mostest."



JOAN M. DONAHUE

163-25 98 St., Howard Beach.
F&GA
In her seemingly quiet and diligent manner, Joan accomplished much in her three years. This despite being the fourth member of a terrible trio.

EDWIN M. DROGIN

1974 60th St., Brooklyn. EE
A poet and dreamer, who always sat up front during civilization lectures, Ed was also a firm believer in psychological conditioning. Muttering, "this problem is trivial", he would proceed to hand in the solution on the back of a three-cent postage stamp. This procedure never earned him spectacular marks.





WILLIAM C. ELHOFF

164 Martense St., Brooklyn. EE

This active member of ODP sparked many an opening address of AIEE-IRE. His exploits with the Rifle Team have caused many a freshman to shoot at his position. His main ambition in life is to trade in his '50 Caddie convertible for a '54.

LEON EPSTEIN

640 Adeo Ave., New York. F&GA
Professional accountant - turned - artist, Leo aspires to be a designer and illustrator. Always smiling, always happy, and always tired, he gives credit to his wife for being able to stagger him through night school.



JOSEPH FEINGOLD

3100 Heath Ave., New York.

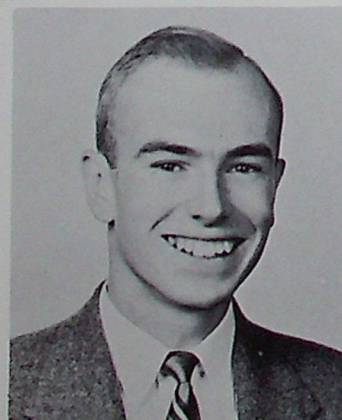
Arch

Joe will be remembered as the typical dignified junior executive. Each of his many fine personal characteristics are assets which will insure him success wherever he applies himself.

GERALD FIELD

64 Nichols Ave., Brooklyn. ME

Gerry looks as serious in everyday conversation as he does behind the sights of his rifle, but those who know him say it isn't so. He has a really keen sense of humor.



GEORGE A. FISCHER

143-14 Hillside Ave., Jamaica. ME

On occasions, George would come up from his caves, or down from Cup-saw to attend a few classes. Just to show that school didn't interfere with his hiking activities, he made TBP, PTS, to say nothing of his work for APO.

JULIUS I. FRANKLIN

102-01 183 Place, Hollis. EE

When others might be inclined to quote Luke xvii, Julie has been known to say "P35, RCA Tube Manual". He was known around school as President of the IZFA and the foremost competitor of the TV servicemen of Hollis. His skill in wiring up electric circuits amazed students, instructors, and ammeters.



JEAN E. FRASER

112 East 7 St., New York. F&GA

Jean is a gal that has successfully combined serious study with good fun. A student leader, she was elected class president twice in a row. She intends to go on to a teaching career.

MORTON B. FREIMAN

2121 Harrison Ave., New York.
F&GA

Because he hates to get up in the morning, Morty wants to do free lance cartooning. His "friends" say he's a cartoon himself.



LEOPOLD GABAY

102 Norfolk St., New York. ChE

The Greeg's invariable reaction to any event was "Shuah, I like yu style, beh . . . by." His favorite sport was collecting dance tickets from Student Relations, which occupation he abandoned only to preside over SKT, sit on the floor in class, or ride with the "Black Hand" in Unit Ops. Lab.

LESLIE W. GAGE

67-65 Fleet St., Forest Hills. EE

During his long summer vacations in the cotton plantations of Virginia, Les developed many novel views on life. We would like to print these views, but fear the Cable would be banned.





CARL W. GARBE

107 Walworth Ave., Scarsdale. CE
"Uncle Carl" managed to acquire Lynn in addition to a degree. His amiable five o'clock shadow could be found gracing ODP during his spare hours. No stranger to industry, Carl's future is a bright one. "Taxi Mister?"

LAWRENCE C. GERCKENS

541 First St., Carlstadt, N. J. Arch
To this architectural perfectionist and burner of midnight oil we bequeath a pillow-studded pencil to rest his weary head.



BARBARA P. GEWIRTZ

6420 Bay P'kwy, Brooklyn. F&GA
Our Bobby is a petite ball of vitality. She sings, paints, writes poetry, and still finds time for the Humanities Club, Dance Club, Interplay, politics, and men.

CHARLES E. GILLEN

1149 Fairmount Ave., Elizabeth, N. J. F&GA

Gilly was one of the many camera fiends that roamed the halls of Cooper for so long. His clever technique and boundless imagination will assure his success.



JOAN B. GOLD

3815 Church Avenue, Brooklyn. F&GA

Gorgeous, garrulous, gl(amorous), gregarious, goopy, giddy, and GREAT. Goldliness is next to Godliness.

CARL S. GOLDBERG

205-17 Hollis Ave., Hollis. Arch
Carl is a cosmopolitan enigma who
appears to do nothing, but much to
the chagrin of his classmates gets
everything done.



CAROLYN J. GOLDBERG

3611 Henry Hudson P'kwy, River-
dale. F&GA

There's one thing that you can say
about Carol Goldberg: She's a woman.

RONALD GOWER

307 Second Ave., New York. Arch
Cigars were in order last semester
when Ron's cat had little ones. This
event was the excuse for many weeks
of kitten showers in his tapestry-lined
Second Avenue apartment. These Bo-
hemian goings-on were not however,
reflected in Ronald's work—a careful
mixture of classical themes and mod-
ern treatment.



MARION GREENSTONE

277 Avenue C, New York. F&GA

This quiet lass is our first claimant to
fame. Even before graduation, she
had her work hung in the Whitney.
Then to keep away from too much
specialization, she wrote some prize-
winning poetry.

HOWARD J. GREVENITZ

35-44 34 St., Long Island City. CE
"Gravy's" marvelous capacity for rhe-
toric has stimulated such expressions
as "the beast", "hi girlie", "Mien
Sohn", ad infinitum. If he is as assidu-
ous in his professional career as he
is in the elicitation of ASCE dues, his
success is guaranteed.





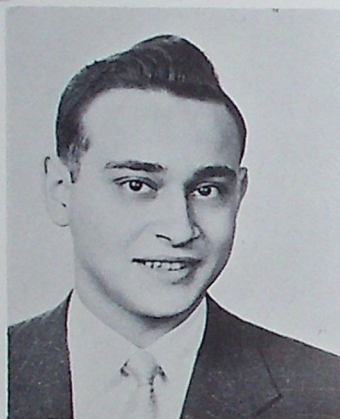
SHEILA GRUNOR

21 Corbin Place, Brooklyn. F&GA
One of the married people in the class, she finds time to knit for her husband as well as for her fine art work. Shelley has a lively personality and an intense approach to art.

IRWIN J. GRUVERMAN

1960 72 St., Brooklyn. ChE

Chemical to the core, Irv never could see the use of electricity. He passed EE Lab. with honors, however, by cooperating with Jerry Davis to the extent of electrocuting Leo Gabay. In his senior year he made an attempt to flunk out by assuming the job of Cable Literary Editor.



RAYMOND F. GUNTHER

5 Cedar St., Hastings-on-Hudson.
Arch

A sprightly lad, Ray tries valiantly to recover the trails blazed by Lewis and Clark in the wilds of the north woods.

ALVIN M. HAHN

548 Beach 67 St., Arverne. Arch

An eager young architect loquaciously argumentative in justifying the involved mechanizations in his solutions to long overdue architectural design problems.



PHILIP A. HARDING

450 New Lots Ave., Brooklyn. EE
Professor Harding's evening supplementary EE courses in the Pioneer Office soon became famous, and were responsible for guiding many of the senior class through their last year. He is a fellow with an alert, inventive mind, who blossomed out into extracurricular activities in his final year.

IDA HAUBOLD

1119 Prospect Place, Brooklyn.

F&GA

Ida is the gal who set an all-time record in refusing invitations to go on trips to Green Camp. It seems that she was a working girl. Many a heart was broken when she got engaged.



SHELDON S. HELFMAN

57 Clara St., Brooklyn. F&GA

An open locker, a home-made paint box and pallet, a pipe held firmly between his teeth, an expert at saving money he hasn't got, a quiet manner, a million lines of poetry. This is Helfman.

AARON L. HELLER

907 Linden Blvd., B'klyn. F&GA

Aaron exhibits an intensity and mysticism that have produced a boldly conceived art, always distinctive and sincere. His poetry has the same character. He is known also for that "Italian-style" haircut and that "crazy" red sweater.



SHELDON HELLER

683 Stone Ave., Brooklyn. EE

Skip was so popular that he was held over at the special request of the Physics Department. He utilized the resulting spare time to become President of the Student Council. He is also a member of the famous Heller and Ehrlich firm of consulting engineers. They'll consult anybody.

LAWRENCE F. HERTE

2066 33 St., Long Island City. ME

We must all thank Mrs. Herte for sending her husband through Cooper. It is not every scholarship that provides a loving wife as an added attraction. Larry was in the Newman Club, APO, and ASME.





LUBOSLAW HUCALUK

271 East 156 St., N. Y. F&GA

Lubo is really the "Ivory Tower" man in class. He is sometimes known to get lost in his artwork for months before coming up for air. Who needs air?

DONALD J. IFSHIN

1322 St. Marks Ave., B'klyn. ChE

Having clued the Greeg that it was safe to rise from the floor, the Black Hand's Chancellor of the Exchequer puzzled happily over new and inane ways of doing as little work in as much time as possible.



WALTER A. JOHNSON

2006 East 177 St., New York. EE

Percy is a man of indomitable will, who thinks nothing of plunging into a thirty-hour calculation. In class, when the teacher hears in a high nasal tone: "I don't think that's quite right," it isn't.

HERBERT L. KAHN

217 East 176 St., New York. EE

(Cont. from Block's blurb) considers himself a student of the game of basketball. Herb has led a stormy life at Cooper, starring for the Dramatic Club in his first sophomore year, and panning it in the paper in his second. His articles have gotten him into trouble with such varied sources as the N. Y. Times, the Student (Cont. under Spector)



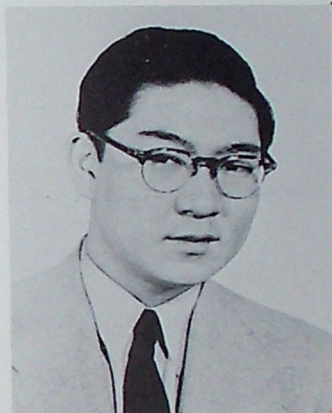
JUNE D. KARLSENG

4535 220 Place, Bayside. F&GA

When you first meet June you are struck by her bubbling, vivacious personality. She is an honest, meticulous student of the fine arts. Her greatest interest however is Alex, her husband.

GIDEON KANNER

233 Harrison St., Passaic, N. J. ME
Always dressed like an ad from "Esquire", Gideon managed to finish Cooper in four years, find time to head the Debating Society, attend three other colleges, do things in ASME, and woo a beautiful girl from Connecticut.



JOHN M. KASHIWABARA

43 Avenue C, Bayonne, N. J.
F&GA

His gentle and quietly persevering nature accounts for his having accomplished so much at Cooper. John is not only a sensitive graphic artist but also a skilled poet and violinist. His sincerity, sympathy and understanding are unmistakably "John".

AARON S. KESSLER

401 Thatford Ave., Brooklyn.
F&GA



NORMAN KLEBANOFF

142 Sutter Ave., Brooklyn. ChE
Norm, who can't swim, avoided Unit Ops. Lab. by attending AIChE conferences. Then, not content with this, he ran a few of his own. In his spare time he attended class, amazing all with his loquacity. This quality he carried over into the affairs of SKT, where his earchewing exploits are well remembered.

SANDRA L. KLEEMAN

15 Varet St., Brooklyn. F&GA
Sonni is Cooper's little demon. Her "putty cat" nature shows itself in her painting. She divides her time among schoolwork, modern dance, dramatics, the Humanities Club, and letters to her engineer.



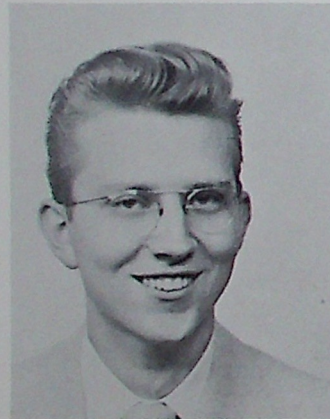


EVETTE S. KLIPPER

1750 East 10 St., Brooklyn. F&GA
A mischievous pixie face and spirit will make Evette well remembered by her classmates. She is an excellent painter and a talented violinist.

JACOB N. KLUGER

1011 Avenue O, Brooklyn. ME
Remember when Jake fell asleep in Mr. Chi's Physics class? The ME's fair haired boy (elected President of the Freshman class in a notable coup) was the center of numerous incidents of that sort. Four years at Cooper don't seem to have touched him very deeply.



JOSEPH S. KONOPKA

558 Jersey Ave., Jersey City, N. J.
F&GA

Joe, one of Cooper's quieter students, did not take to the modern trends at first, but now is right up there with the best of them. He expects to go places in the field of scenic art.

LILA M. KRONSTADT

2001 Avenue P, Brooklyn. F&GA
A studious lass name Lila haunts the galleries as much as the studios of the school. That's why her work is so interesting and original. Her pet peeve is getting stuck in the subway rush with a box of loose paint jars and a couple of large illustration boards.



WILLIAM E. KRUSE

150-11 Tenth Ave., Whitestone.
CE

Willy, a CE from his earliest recollections, is confidently at home on the "high steel", but neither his interests nor his talents stop there. He writes, drives the most ancient Ford known to man, and leads the class in everything from dancing to digging.

THADDEUS E. KUSMIERSKI

55-20 Van Cleef St., Corona. Arch
With a narrow tie on his chest and a
guitar under his arm, Tek goes
through life carrying a non-sacred at-
titude in his mind and segments of
spheres and dodecahedrons on his
drawing board.



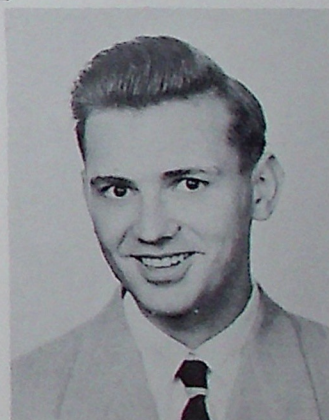
MARVIN I. KUSSOY

577 Empire Blvd., Brooklyn. ME
Marv stumbled through school with
madrigals in the background. He was
President of the Humanities Club,
Editor of Interplay, and lover of mu-
sic. In fact, his engagement gift was
a lute.

JAMES LADSTATTER

5409 80 St., Elmhurst. EE

On Friday mornings the cry was
raised: "Has Jim done the problem, or
is it impossible?" Tau Beta Pi's prize
member has the winning combination
of a fine mind and bulldog tenacity,
with which he can worry any prob-
lem to a frazzle.



JOSEPH W. LECHLEIDER

60-11 Menahan St., Ridgewood.
ME

Icky Goo was "cool cat" No. 2 of the
ME class. A real connoisseur of beer
and colorful suspenders, he divided
his time between PTS, ODP, and a
crusade against people who made
chalk screech on the blackboard.

SEYMOUR LEICHMAN

2147 73 St., Brooklyn. F&GA

There was a rock in the middle of the
sea—around it swirled the waters,
above it blew the tempests—yet, ser-
ene was he who sat upon the rock
and laughed at all this turmoil.





GRACE V. LEROY

19 Southwood Arch, Syosset.

F&GA

Grace is a challenge to the old belief that woman is the weaker sex. Forthright in her beliefs, her purposefulness is reflected in her work. A fine artist by choice, she is happy in her work.

NAOMI R. LEVY

2065 St. Raymond Avenue, New York. F&GA

Nicky has a sparkling wit and a word for everything. When she looks very proper, she's usually up to some mischievous prank.



EUGENE B. LION

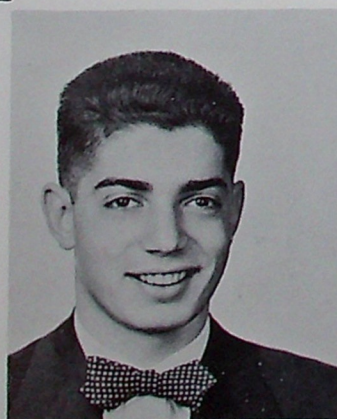
561 East 2 St., Brooklyn. F&GA

He has time for everyone but himself. When he is not busily engaged in thinking, he greets all your problems with: "Allow me." Naturally he's President of the Senior Class.

MORTON LIPPMANN

775 East 8 St., Brooklyn. ChE

Mort's summer experience at the Atomic Energy Commission came in handy in Unit Ops. Lab. When his experiment gave impossible results, he promptly classified the data "Top Secret." His resourcefulness was recognized by TBP, and also found good use on the varsity chessboard.



SONIA O. LISKER

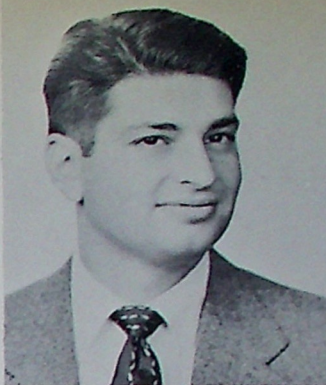
Post Office Box 19, Bloomingdale, N. J. F&GA

Sonni has a husband on her mind. She takes as much pride in being a housewife as in being a painter. She is never afraid to experiment with new forms and ideas in her paintings.



GERALD J. MARKS

3111 Broadway, New York. EE
Gerry is a fencer, ham operator, IRE
member, married man, and foremost
proponent of the 43 hour day.



EDWARD H. McCABE

3479 Seymour Ave., New York.
CE

"Grease", the silent member of the
McCabe-Brosky combine hit the line
both at Green Camp and with the
CE football regulars on our home
"campus". Eddie currently holds the
record for bringing the same girl
(Anne) to the greatest number of suc-
cessive ODP parties.

ROBERT MENTKEN

820 West Ave., New York. F&GA
No dummy, this mannequin. Destined
to make a big name for himself in
a quietly explosive way, he'll soon
be a top artist. A soft spoken guy, he
is one of the most humorous and most
talented in our class.



CIRO MILAZZO

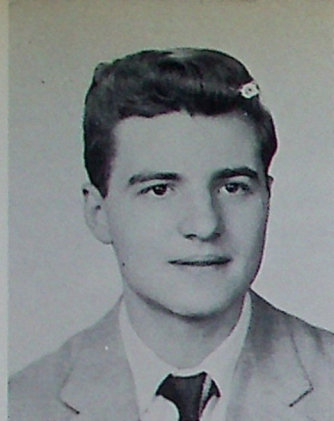
28 Bay 13 St., Brooklyn. EE
Phil is known as the EE's oldest living
veteran, having endured six cam-
paigns at Cooper, day and night. He
has found time to build up a thriving
business in Bensonhurst making boot-
legged TV sets for unsuspecting cus-
tomers. Never known to refuse a beer,
he is respected as the supreme au-
thority on the female sex.

STANLEY H. MILLER

209 Rutledge Street, Brooklyn.
F&GA

Everyone knowing Stan agrees that
he is richer for it. If you don't agree,
be sure he's without the drumsticks
which he used so well in the Cooper
band. His dry nonsense humor makes
a normal day—well . . . abnormal.





SHERWOOD J. MOLL

116 Amboy St., Brooklyn. ChE

Known for his orthodox views on engineering and his unorthodox views on women, Sherry would join a discussion of either at the drop of an innuendo. This made for some interesting meetings of the AIChE, yet contributed a tone of moderation to SKT get-togethers.

WILLUM J. MUHLKER

419 West 119 St., New York. ChE

Thinking himself still alive, this fellow insisted on writing Chemical Engineering reports in the present tense. Roundly berated, he took refuge in writing poetry and Cable blurbs, which have no rules of grammar.



MANUEL RODRIGUEZ ORTEGA

652 Carroll St., Brooklyn. ChE

A musical fellow, Manny had the habit of beating sambas on his desk during finals. The instructors, charmed, asked for encores. He took and passed during his four years a total of seven re-exams, an all-time record.

ROBERT F. ORTH

958 Anderson Ave., New York.

F&GA

Bob is a former salesman, but it does not take advertising for him to sell himself. His reputation was made at those wild, wild parties in the Village.



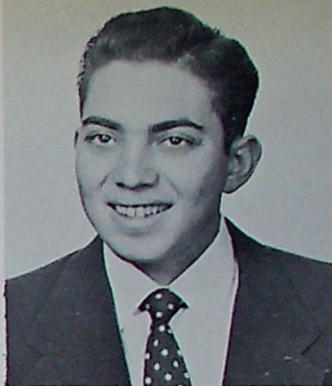
ALFRED G. OSTERLUND

118-39 218 St., Cambria Heights. ME

Al had so much spare time that he decided to share it with his true love. By now he has a little engineer helping out with the homework. His single-handed staging of the ASME dinner will long be remembered.

KENNETH OZER

190 Hooper St., Brooklyn. CE
Baby's frequently delayed shuttle between the AA office and class became well known to the CE staff. His promotion of C.U. bowling activities as well as his varsity kegling made his selection to the AA presidency no little surprise. Vice-Ruler of LSK, he was also one of its most effervescent party-givers.



ALFRED H. PALMER

9226 71 Ave., Forest Hills. CE
Al's active school career won him a reputation on the basketball court and established him among the intellectual strata of Chi Epsilon and TBP. A pensive determination is most often concealed by his lighthearted manner.

RICHARD PRESSER

1950 Daly Avenue, New York.
F&GA
MARCIA UDOFF



JOSEPH H. RAFFAELE

887 East 37 St., Brooklyn. F&GA
Joe's always either reading, or painting, or reading, or drawing, or reading, or sculpting, or reading, or writing, or he's with people. His rapidly changing attitudes amuse everyone.

JOSEPH RAGGIO

1342 Franklin Ave., New York.
F&GA

"I'll help you right now. I have nothing else to do except sharpen my chisels, finish my sculpture, stretch a canvas, overhaul my car . . ."





FRANK A. RAMPOLLO

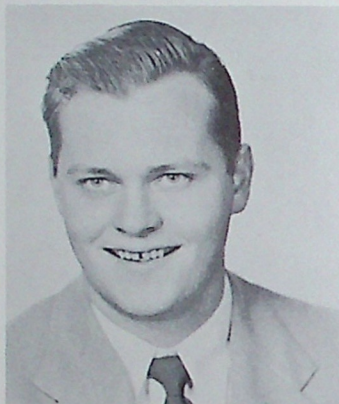
112 St. Nicholas Ave., Brooklyn.
F&GA

Hailed as one of the truly unique personalities about Cooper, this lad should go far. He is admired by all for his charm and graciousness and will be remembered as one of the great pillars of the school's social structure.

KENNETH P. REDMOND

1280 East 18 St., Brooklyn. ME

Ken was an easy-going student — doing his homework, taking notes in class, and even paying attention in Civilization. He divided his time between ASME, homework, sleep, and the intramural bowling team.



FRED M. REINER

615 West 173 St., New York. EE

The neatest dresser in the EE class, Fritz was also its greatest optimist, and his brash, cheerful voice always took a prominent part in class discussions. He also engaged a good deal in school activities, and became vice-president of almost everything around.

PETER P. RIVCES

510 East 20 St., New York. F&GA

Pete is the gentleman from Yugoslavia with that continental accent that he loves to show in Dramatic Club productions. His passion is for theoretical discussion with a worthy opponent.



JOSEPH E. RIZZUTO

816 Avenue P, Brooklyn. ME

Easy-going and personable, Joe was the boy to see when the data did not conform with expectations. He was the ace of the intramural bowling team and won top honors in the ping-pong intramurals.

BARRY L. ROSENBLATT

181 Bay 31 St., Brooklyn. F&GA
Barry, who gives up smoking at least once a week, is destined to carry on the traditions of an artistic family. He may end up illustrating "True Romance," "Esquire", or if he's really lucky, mashing ping-pong balls.



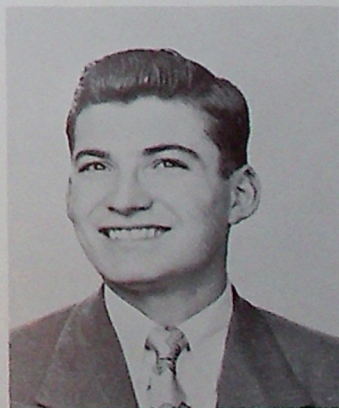
HERBERT M. ROSENTHAL

1404 Mace Avenue, New York.
F&GA

Herb has a tendency to under-expose his photographs. He has at last found a way to capitalize on it, since the Cable publishes anything. His favorite subject is dirty tables (see page 73)—on the wall of his room hang many 8x10 glossy prints thereof.

ROB J. ROY

555 73rd St., Brooklyn. EE
Rob, professional gigolo of the 4DEE's, breezed through school on a copious set of Brooklyn Tech notes. He therefore had plenty of time for basketball, automobiles, and beautiful women. When two out of three of the latter of his accomplishments placed in a local beauty contest his reputation was made.



ISRAEL E. RUBIN

437 Sterling St., Brooklyn. ME
(Whoops! There went Izzy.) During his stay in school he was like an electron; either you knew where he was or how fast he was moving, but never both. He had a finger in every pie—Editor of Cable, Pioneer, ASME, Calculus Medal, Charles T. Main Award, Interplay, PTS, TBP, etc., etc. But his chief love was being Prior of Alpha Mu Sigma Fraternity.

JOSEPH D. RUSSO

105-36 87 St., Ozone Park. F&GA
Joe produces an effective contrast between the peaceful, classical style of his drawing, and the bold figure he cuts as a fencer. It's a winning change of pace.





MITCHELL M. SACKSON

615 Westminster Rd., B'klyn. EE
Mitch is one of the few EE's that managed to do the assigned reading for all the Civilization Courses before he came to Cooper. He since has turned his attention to the law books. He is, you see, a member of Trendowski, Sackson, Wern, and Vaupel.

BERTE SAMUEL

14 Jones St., New York. F&GA
Berte is a serious student who nevertheless is noted among her classmates for her friendliness and humor. She is the life of many a happy party.



PAUL H. SANDERS

109-01 72 Road, Forest Hills. CE
Sandstone, proud father of a most economical Ford-type car, has done much to make a success of our ASCE chapter, and his scholarship has won him recognition in Chi Epsilon. His notable excursions to Roanoke and the B.P.R. might well pave the way for a successful career in that field.

ANITA L. SCHETTINO

34 Lake St., East Orange, N. J. F&GA

A tall charming brunette with a gracious air, Anita combined her natural talents with a lot of hard work, sincerity, and perseverance. She was one of the bright spots of the class, charming and well-liked by all.



CHARLES W. A. SCHIFF

64-20 Saunders St., Forest Hills. CE

"C.W.A.S.", the CE's own perpetual motion machine, has been known to finish problems before the instructor has completed assigning them. A promising D'Artagnan, he is well known in fencing circles at C.U. His fervor and zeal will carry him far in his promising career in Israel.

HELEN L. SCHLOSS

63-19 Alderton St., Rego Park.

F&GA

Lori's proclivity towards subtle coloring can be seen in her paintings as well as in the way she dresses. A hard worker, she is exceptionally quick to grasp new concepts and ideas.



RAY SEIDE

102-55 67 Drive, Forest Hills.

F&GA

Although our friend of the "noble brow" is often likened to a clown in shining armor, his nature is more suited to the sober garb of a monastic order.

GERALD SHERTZER

500 East 46 St., Brooklyn. F&GA

Jerry would rather paint than eat and sculpt than paint. His violent paintings belie his quiet demeanor, his puckish sense of humor, and his intelligent opinions on philosophy and life in general.



JOYCE R. SILVER

115-64 229 St., Cambria Heights.

F&GA

It's a feeling, not a word, that makes Joyce's presence known. She's romantically inclined and so are her paintings.

ROBERT W. SKOWRONEK

34-24 42 St., Long Island City. ME

Bob's tenor voice is often heard echoing through the halls of ODP of which he is President. Only sophomore to receive a three year varsity award, only five year man in PTS, Bob is the only.





MURRAY SPECTOR

507 80 St., Brooklyn. EE

(Cont. from Kahn's blurb) Relations Office, and the Student Council. Murray has prepared for his business career by selling AP to everybody in Cooper. All three are psychiatrically interesting: Larry is afraid he may disrubulate into twetchels, Herb is worried about something he calls his H factor, and Murray thinks he knows Electrical Engineering.

GUNTHER F. SPLETTSTOESSER

2185 Morris Avenue, New York. F&GA

Through four years of school Gunther has consistently provided his classmates with two important commodities — talent and a tremendous sense of humor. It may not be a rare combination, but somehow in Gunther it's something very special.



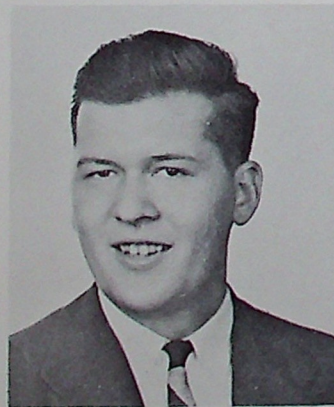
PAUL H. STERN

1559 East 12 St., Brooklyn. CE

Paul is a man that took the wrong subway on his way to Tech one fine morning, and landed in Cooper Union. He has since acquired a driving ambition to work as a Civil Engineer. It's merely his way of combining tumbling and science.

ROY N. TEGNER

130 West 57 St., New York. CE
"Olie's" prodigious bulk has been a topic of recurrent conversation and awe amongst the CE's these four years. Should he ever tire of engineering it is certain he should have a successful career as a member of any McCarthy committee.



GEORGE J. THEK

85 Mayfair Avenue, Floral Park. F&GA

George has been acclaimed by the Art School as the boy with the most beautiful eyes. Among his many interests are ballet, music, poetry, and the works of Gide. Highly influenced by Egyptian and Greek art, he nevertheless paints with a style all his own.



IRWIN S. TOPOROFF

2 West End Ave., Brooklyn. CE
Top's prankish sense of humor brought the CE Ark through many trying tempests. His versatility on the pitching mound saved many a day for his class, while his serious moments revealed a capacity which will carry him far in his profession.



CHESTER R. TRENDOWSKI

128 Bay 40 St., Brooklyn. EE
Chet is the EE's Man of Iron. He put in a year in the Merchant Marine before coming to Cooper; and after marrying one of our most beautiful art students, he still managed to turn in "A" solutions to Machines' problems. He is the senior member of the firm of Trendowski, Wern, Sackson, and Vaupel.

FRANK J. TUTOLO

269 61 Street, Brooklyn. Arch
Frank is an ambitious and diligent student, who can generally find a bit of humor in the toughest problem. He has the habit of looking very conscientious and unruffled, and is always willing to listen.



MARCIA S. UDOFF

2059 St. Raymonds Ave., New York. F&GA
DICK PRESSER

GEORGE E. VAUPEL

1512 East 48 St., Brooklyn. EE
Skilled in the art of catching things in mid-air, he bought two slide rules while at Cooper. His favorite pastime, besides staying up till three in the morning and watching films with the IRE, was slicing boloney with the group of Dan, Chester and Mitchell.





MARIA VIANI

22 Leroy St., New York. F&GA
She possesses the grace and charm of a Botticelli painting combined with a gentle humor.

JOSEPH M. VOSS

129 Wadsworth Ave., New York.

EE

"I disagree with Ladstatter" brought this boy fame in his last year at Cooper. He was one of the most active members of IZFA and a lover of the outdoors.



ANITA F. WALKER

119 East 29 St., N. Y. F&GA

This pretty blond cheerleader is bound to put Milford on the map. Anita's art work is delicate and sensitive—consistent with her sparkling personality.

LAWRENCE WASCO

602 Tenth Street, Carlstadt, N. J.

F&GA

Smile for Larry and he'll take your picture. His structural "monsters" betray his quiet humor and craftsmanship. He has a charming wife, and is a brand new daddy, too.



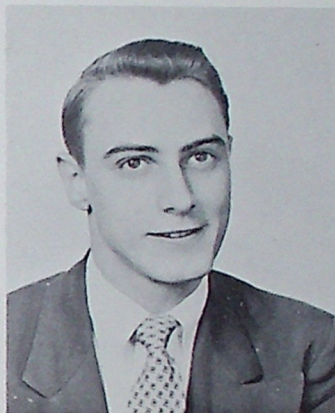
EMANUEL WEINER

173 Stockton St., Brooklyn. CE

"Mumph", though a latecomer to the day CE crew, firmly established himself as a part of it. His scholastic attributes have won him recognition by Chil Epsilon. With a firm background in the field, he will undoubtedly enjoy a successful professional career.

DANIEL W. WERN

599 East 34 Street, Brooklyn. EE
Danny gave up a really fine time playing with his own ham radio station just to go to school. Then, wonder of wonders, he liked it so much he sent his brother here too.



ROBERT J. WILEY

55-29 68 St., Maspeth. ChE

Bob, no slouch as a chemist, knew no less than seventeen different ways to synthesize ethyl alcohol. Disdaining assigned reading, he haunted the Library, where he is remembered for having borrowed both copies of Badger and McCabe at the same time.

PATRICIA A. WILLIAMS

144 East 22 St., New York. F&GA
This long-legged gift to Princeton loves horses and dogs nearly as much as art. Together they should take her far.



LUCILLE R. YOUNG

688 East 7 St., Brooklyn. F&GA

Lolly is a dainty feminine lass in crinoline — an Art School rarity. Her heart belongs to Fritz, a graduate Cooper architect.

LAWRENCE G. ZIMMERMAN

88-06 Parsons Blvd., Jamaica.
Arch

Larry's happy outlook on life and devil-may-care attitude hide a burning interest in his field of architecture. The enthusiasm and skill he showed as President of the AIA make us all hope and feel he will go far.



Interplay

ART EDITOR	Bernice Burlakoff
POETRY EDITOR	Edwin Drogin
LITERARY EDITOR	Marvin Kussoy
BUSINESS EDITOR	Israel Rubin
FACULTY ADVISOR	Professor Grover

This year the editors of Interplay have decided that some of the finer works submitted should be published in the Cable where they will receive all the advantages of professional reproduction.

In order to present as much of this work as possible in the limited space available we shall bring this introduction to a swift close by saying "thank you" to all those who have submitted manuscripts or otherwise aided in the publication of Interplay.

Tonight, I am moon touched.
There are beams in my eyes,
each, a reflection, caught
and held by a slatted window.

Tonight, I am moon touched.
A blue cover rides the world,
leads through trees,
touching leaves, plating towers.
The trees do not move
but walk the wild night,
stalk through stillness.

Tonight, I am moon touched.
My love sleeps, stirs the gentle rush,
sleeps the slumber of her eyes,
slumbers, stirs, touched by me,
the moon touched.

—George Klett

By pulling the shrink-proof (SANFORIZED*) nylon
 (polyamide) cords
Which close dust-repellent plastic (cellulose
 acetate) blinds,
We attempt to shut out the night.

Yet we cannot, for it fills ($V = LWH$) the darkened
 room.
We can drive it into the corners with momentary
 incandescent light ($I = K/d^2$).

But when electrically ($E = IR$) manufactured bombs
 ($E = Mc^2$) fall ($s = \frac{1}{2}gt^2$) on Con Edison,
It will flood the room (What to do? - No equations
 for darkness . . .)
and overtake us.

—Robert H. Goepfert

Eternity is a mask,
it has no face.
They would belie our hearts
and have us believe
in everlasting grace,
consoling us when hands
and feet are cold, autumn withered,
and nights are filled
with the crash of our own
dissembling dreams.
Let us, instead, ride our time,
lead it and gallop it
like the steed it is,
flanks lathered, withers heaving,
breathing the fire of Prometheus,
and we, like the gods we are,
images of our imaginations,
astride, flicking it with our crops,
ride out, ride on,
and force the chancing hand of fate.

—George Klett

He looks at
Me looking at
You looking at
Her whom I hate.

I despise him
Who looks at
Me looking at
You looking at
Her who despises you.

My eyes ache from looking at
You loving her.
My hating heart aches from loving.
Look at

Me looking at
You aching from looking at her.

Turn and see me

I am still here
I won't go

I'll wait.

—Arlene Watras

Beholder of the passing night
(mortals are not worthy of that beauty)
dark serene, the purple plain dotted
with star flower.

Upon the plain a grey herd, ridden by winds,
running between day's death and morning reincarnation.
I watch . . .

the silently running gallop by a god's order.
none must see such steeds,
for it is that divine's clock,

a divine timepiece;
the fleeing from the dawn;
grey ghosts of purpled tomb, announcing—as a turning page—
the ceaseless rebirth into morning.
but I see . . .

till the least of the herd drifts to the stall of vapors,
emptying the plain for new day.

now leave me, I saw nothing
I am not awake.

—Stephen Korbet



Societies and Fraternities

PRESIDENT: Norman Klebanoff
VICE-PRESIDENT: John Trebilcock
TREASURER: Leon Lehman
SECRETARY: Morton Lippmann
FACULTY ADVISOR: Prof. Wender



Left to Right, Top Row: J. Maiman, I. Gruverman, R. Alwitt, R. Pauckert, W. Kaehler.
 Middle Row: A. Weiss, R. Cardonne, W. Muhlker, D. Ifshin, L. Gabay, S. Moll. Bottom
 Row: R. Wiley, J. Trebilcock, M. Lippmann, Prof. L. Wender, N. Klebanoff, J. Davis,
 L. Lehman.

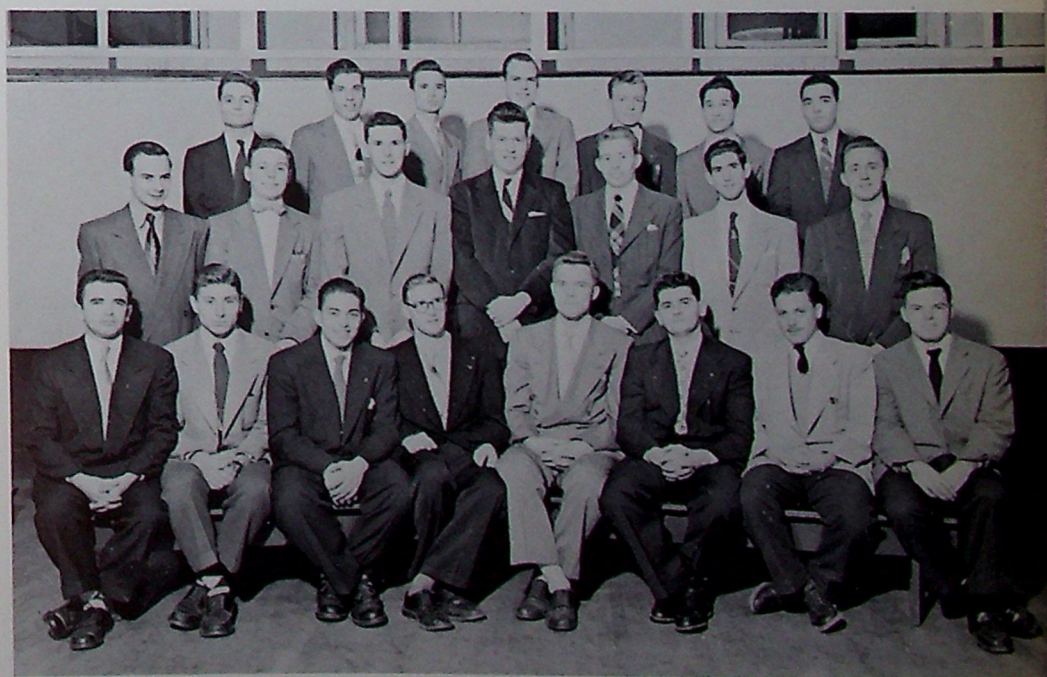
American Institute of Chemical Engineers

An engineer maintains and strengthens his professional status by early affiliation with a national society. For the Chemical Engineering student, membership in the Student Chapter of A.I.Ch.E. helps the budding engineer to develop the "professional attitude" so imperative to success. Plant trips, industrial movies, and guest speakers help acquaint the student with the equipment and problems he will meet later when he is on the job.

PRESIDENT: Howard Grevenitz
VICE-PRESIDENT: Raymond Zahn
SECRETARY: John O'Connor
TREASURER: Lawrence Fischer

The American Society of Civil Engineers serves as a tie between the civil engineering students and the profession which they will soon enter. The purpose of the chapter is to help the student prepare himself for entry into the Profession and the Society and to acquaint him with the aspects of engineering which are not generally encountered in the classroom. The Cooper Union Chapter endeavors to fulfill these purposes by engaging in a broad range of professional and social activities.

American Society of Civil Engineers



Left to Right, Top Row: P. Snoek, M. Ebersman, G. Bennewitz, C. Garbe, F. Reda, R. Nemet, M. Clumpus. Middle Row: A. Adams, C. Parody, D. Eichelburg, R. Tegner, G. Wedemeyer, I. Toporoff, G. Brosky. Bottom Row: E. Weiner, A. Palmer, K. Ozer, J. O'Connor, H. Grevenitz, M. Ames, C. Schiff, E. McCabe.

American Institute of Electrical - Radio Engineers

The purpose of the joint student branch of the A.I.E.E. and I.R.E. is to give the student a better perspective of the scope and practices of his chosen profession. Members are encouraged to take part in the activities of the national organizations and, through the media of lectures, films, and field trips, are acquainted with the various phases of electrical engineering.

CHAIRMAN: William Elhoff
VICE-CHAIRMAN: Philip Harding
AIEE SECRETARY: Peter Straka
IRE SECRETARY: Larry Kittiver
AIEE TREASURER: Julius Franklin
IRE TREASURER: Fred Reiner
AIEE FACULTY ADVISOR: Prof. Starr
IRE FACULTY ADVISOR: Prof. Sherman



Left to Right, Top Row: J. Fleischer, W. Johnson, I. Steinberg, J. Warshauer, L. Schaefer, R. Perle, D. Wern, S. Glassman, G. Vaupel. Second Row: H. Kahn, S. Heller, A. Wald, A. Moss, R. Roy, M. Sackson, P. Blake, C. Trendowski, B. Anzel. Third Row: C. Millazzo, P. Straka, J. Franklin, W. Elhoff, P. Harding, F. Reiner, L. Kittiver, G. Marks. Bottom Row: J. Ladstatter, E. Drogin, L. Gage, W. Schwartz, S. Margulies.



Left to Right, Top Row: R. Menchen, F. England, G. Ritsi, N. Gordon, L. Epel, L. Herle, G. Fischer, E. Herzlich, D. Cotten, D. Daniel. Second Row: M. Katz, G. Field, G. Mascetti, D. Lyons, J. Rosengarten, S. Cowan, R. Skowronek, G. Doeh, B. Andrushkiw, F. Decaminada, N. Becker. Third Row: I. Rubin, R. Alloca, G. Kanner, H. Luhrs, Mr. A. Kurtis, H. Cahn, R. Kohler, M. Phillips. Bottom Row: L. Cohen, L. Fiderer, K. Yasuda, P. Sherman, A. Ianuzzi, M. Bialy.

American Society of Mechanical Engineers

CHAIRMAN: Herbert Cahn
VICE-CHAIRMAN: Henry Luhrs
SECRETARY: Alfred Osterlund
TREASURER: Robert Kohler
FACULTY ADVISOR: Mr. Kurtis

The American Society of Mechanical Engineers' student chapter has as its purpose the supplementing of our engineering education on a professional level. This is accomplished by means of student and guest speakers, industrial films, plant trips and by the annual A.S.M.E. dinner. Student members attend functions of the parent society such as regional meetings and the annual convention.



Fratres-in-Collegio

M. Ames
J. Davis
G. A. Fisher
S. Goldwasser
I. Gruverman
P. Harding
W. Johnson
A. Kaminer
L. Kittiver
M. Lippmann
H. Martins
J. McCormick
A. Palmer
W. Punton
A. Ragozzino
P. Straka
G. Strickholm
A. Tompos
C. Trendowski

Left to right, Top Row: W. Johnson, I. Gruverman, M. Ames, P. Straka, G. Strickholm, A. Tompos, G. Fischer. Middle Row: M. Lippmann, A. Palmer, L. Kittiver, P. Harding, J. Davis, C. Trendowski, H. Martens. Bottom Row: B. Anzel, I. Rubin, P. Blake, P. Sherman, H. Cahn, J. Ladstatter.

PRESIDENT: Perry Sherman
VICE-PRESIDENT: Herbert Cahn
RECORDING SECRETARY: Paul Blake
CORRESPONDING SECRETARY: James Ladstatter
TREASURER: Israel Rubin
CATALOGER: Bernard Anzel
FACULTY ADVISORS: Prof. Miller, Prof. Vopat

Tau Beta Pi

Since its inception in 1947, the New York Iota Chapter at Cooper Union has served the school in many ways, such as the summer tutoring program, and the performance of duties for various departments by TBP pledges. To emphasize the importance of Humanities in engineering education, an award for excellence in Humanities was established. This is typical of the work being done—a conscious effort on the part of these few students to make a significant contribution to the student body of the Cooper Union.

PRESIDENT: Israel Rubin
VICE-PRESIDENT: Tony Ragozzino
RECORDING SECRETARY: Herbert Cahn
CORRESPONDING SECRETARY: Joe Lechleider
TREASURER: Perry Sherman
FACULTY ADVISOR: Prof. Kut

Pi Tau Sigma

The Cooper Union Pi Phi Chapter of Pi Tau Sigma honorary society was founded in 1949. Its members serve as student aids to the Mechanical Engineering Department. This year we have endeavored to act as student counselors to the incoming freshmen. The students selected for membership are chosen on the basis of sound engineering ability, outstanding scholarship and personality.

Fratres-in-Collegio

B. Andrushkiw
 M. Bealy
 L. Cohen
 L. Epel
 L. Fiderer
 G. Field
 G. Fisher
 A. Ianuzzi
 F. Jark
 M. Katz
 H. Luhrs
 G. Ritsi
 R. Skowronek
 K. Yasuda



Left to Right, Top Row: H. Luhrs, K. Yasuda, L. Fiderer, G. Fischer, M. Katz, R. Skowronek, G. Field, B. Andrushkiw. Bottom Row: L. Epel, L. Cohen, M. Bialy, I. Rubin, H. Cahn, P. Sherman, A. Ianuzzi.

Alpha Phi Omega

PRESIDENT: Bernard Blum
VICE-PRESIDENT: Julius Jortner
SECRETARY: George Schuster
TREASURER: Joseph Carlo
HISTORIAN: Giyora Doeh
FACULTY ADVISOR: Mr. Aaron Fessler



Fratres-in-Collegio

R. Blaho
 S. Blumenthal
 P. Castine
 D. Cotten
 D. Doyle
 G. Fischer
 L. Gerckens
 D. Granat
 R. Gunther
 L. Herte
 P. Kane
 L. Kittiver
 G. Lindauer
 J. Maiman
 M. Mazzola
 L. Nacamuli
 A. Nagy
 L. Olsen
 A. Rothbart
 C. Schiff
 K. Whitman

Left to Right, Top Row: D. Granat, L. Gerckens, L. Olsen, G. Doeh, M. Heimowitz, L. Kittiver, D. Cotten. Bottom Row: L. Herte, G. Fischer, Mr. A. Fessler, C. Schiff, J. Maiman, K. Whitman.

Another year has passed, providing the fraternity with numerous opportunities to render service to the students and faculty of the school. Projects this year included painting "shelter" signs for the school civil defense effort; organization of the third annual blood-bank campaign; and the film program which was this year divided between science and art subjects.

The next school year promises to be another strong year with the continuation and extension of the A. P. O. service program.

PRESIDENT: Leopold F. Gabay
VICE-PRESIDENT AND SOCIAL DIRECTOR: Sherwood
 J. Moll
TREASURER: Donald J. Ifshin
HOUSEMASTER: Stephen I. Cowan
CORRESPONDING SECRETARY: Henry Wardak
RECORDING SECRETARY: Marvin Clumpus
FACULTY ADVISOR: Prof. Caldiero

Sigma Kappa Tau

During the past year Sigma Kappa Tau established the first house in its history at Cooper. The social-minded brothers of S. K. T. outdid themselves in setting a new record for consecutive attendance at parties and dances for a scholastic year. Although many of the Black Hand's fabulous Night Riders are leaving Cooper's hallowed halls, they will undoubtedly be very active as alumni members of the fraternity.

Fratres-in-Collegio

M. Bauman
 G. Bennewitz
 J. Bernstein
 M. Blanco
 R. Cardonne
 E. Fearon
 D. Granat
 M. Heimowitz
 N. Klebanoff
 V. Mazzella
 M. Trombetta
 R. Wiley



Left to Right, Top Row: R. Cardonne, M. Heimowitz, M. Trombetta, E. Fearon, M. Bauman, D. Granat, N. Klebanoff, M. Blanco. Bottom Row: R. Wiley, H. Wardak, D. Ifshin, L. Gabay, S. Moll, M. Clumpus, S. Cowan.

Alpha Mu Sigma

PRIOR: Israel Rubin
VICE PRIOR: Fred Reiner
RECORDING SCRIBE: Eric Herzlich
CORRESPONDING SCRIBE: Robert Kohler
TREASURER: Norman Gordon
FACULTY ADVISOR: Mr. Epstein



Fratres-in-Collegio

N. Becker
 L. Berlot
 C. D'Antonio
 J. Davis
 E. Drogin
 M. Fields
 V. Fleischer
 A. Gelbein
 S. Glassman
 P. Harding
 J. Heitner
 S. Heller
 H. Kleiman
 P. Lazovick
 M. Lewis
 M. Rosenberg
 H. Schindler
 S. Spater
 M. Spector
 A. Weiss

Left to Right, Top Row: K. Weinberg, C. Levy, A. Rosenblatt, S. Solomon, M. Cantor, G. Kovelman, A. Chow, D. Rosenberg, L. Berlot, M. Spector. Middle Row: J. Heitner, A. Weiss, H. Kleiman, P. Harding, S. Heller, Mr. S. Epstein, S. Glassman, J. Davis, V. Fleischer, C. D'Antonio. Bottom Row: R. Kohler, P. Lazovick, N. Becker, I. Rubin, F. Reiner, N. Gordon, E. Herzlich, E. Drogin.

The Alpha chapter of Alpha Mu Sigma fraternity was founded 40 years ago at the Cooper Union to perpetuate friendships made while in college. Led by the indefatigable Izzy Rubin, it has been a vital and active school organization with fraters in leading major activities from the Rifle Club all the way to the Cable. The A.M.S. frat house also boasts more couches per square inch than any other apartment within a 12 block radius.

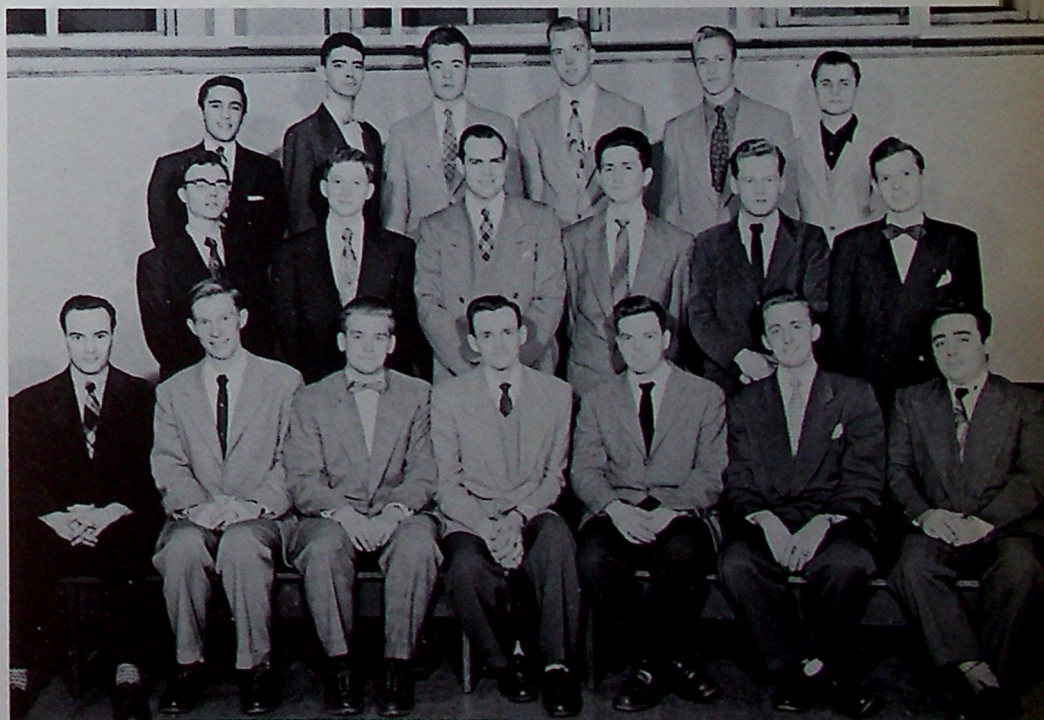
Omega Delta Phi

PRESIDENT: Bob Skowronek
VICE-PRESIDENT: Ed McCabe
SECRETARY: Walt Kaehler
TREASURER: Jim Weigold
FACULTY ADVISOR: Dean Towle

The Alpha and Delta Chapters of Omega Delta Phi Fraternity Inc. occupy quarters at 58 E. Seventh Street. Since the Fraternity was founded in 1903, its purpose . . . "to perpetuate friendships made while students and to encourage and stimulate the love and esteem of Alma Mater", has been the guide for all of its activities.

Fratres-in-Collegio

A. Adams
 A. Bizjak
 G. Brosky
 F. Decaminada
 W. Elhoff
 C. Garbe
 J. Lechleider
 P. Loras
 A. Martenson
 T. Melchiorre
 R. Menchen
 W. Muhlker
 G. Nunz
 C. Orzechowski
 R. Pauckert
 E. Remmel
 F. Rinallo
 P. Rudolph
 L. Schaefer
 R. Sheleng
 D. Slember
 D. Starrett
 L. Theodore
 D. Toman
 T. Tompas
 J. Trebilcock
 A. Vogel
 G. Wolfgang
 H. Wright
 P. Zaybekian
 D. Zulick



Left to Right, Top Row: L. Theodore, W. Muhlker, R. Menchen, L. Schaefer, A. Martenson, R. Slember. Middle Row: R. Pauckert, J. Trebilcock, C. Garbe, P. Rudolph, A. Vogel, G. Nunz. Bottom Row: A. Adams, W. Elhoff, W. Kaehler, R. Skowronek, E. McCabe, G. Brosky, F. Decaminada.



Fratres-in-Collegio

R. Alwitt
A. Baron
I. Ballaban
B. Bready
L. Block
D. Daniels
G. Doeh
G. Dorner
D. Eichelburg
S. Fried
A. Goodridge
D. Kowtko
S. Litsios
L. Minsuk
J. O'Connor
M. Ortega
M. Rosinsky
W. Sharpley
P. Straka
P. Snoek
M. Trust
R. Wagner
A. Wald

Left to Right, Top Row: S. Fried, D. Eichelburg, J. Warshauer, P. Snoek. Middle Row: D. Daniels, S. Litsios, P. Straka, W. Sharpley, A. Wald, A. Hood. Bottom Row: J. O'Connor, I. Steinberg, M. Ames, K. Ozer, R. Alwitt, G. Doeh.

RULER: Marv Ames
VICE RULER: Ken Ozer
TREASURER: Joe Warshauer
RECORDING SECRETARY: William Kulik
CORRESPONDING SECRETARY: Irv Steinberg
FACULTY ADVISOR: Prof. Vopat

Lambda Sigma Kappa

The Lambda Sigma Kappa fraternity, from its inception in 1906 to the present, has maintained as one of its basic tenets the principle of non-sectarianism. The provision of the fraternal code states that men are to be considered for induction on the basis of character and scholarship alone, with no consideration given to factors of race, color or creed. During the year the fraternity built a toboggan run for Green Camp, and sponsored a day at Green for a group of underprivileged children.

GANO DUNN

The Cooper Union for the Advancement of Science and Art and The J. G. White Engineering Corporation have both known the inspiration of Gano Dunn's leadership.

We knew and experienced the cool and efficient operation of his mind as applied to our business and sometimes our personal problems, but we also glowed in the warmth of heart and friendly understanding in his handling of the human factors entering into those problems.

We respected and admired Gano Dunn for his extraordinary abilities and accomplishments, but we loved him as the man we worked with and knew. We record here our pride in having been his associates over a long period of years, our gratitude for his leadership, and our sense of the irreplaceable loss of a great man and his intimate companionship and friendship.

E. N. Chilson, Chairman of the Board
The J. G. White Engineering Corporation.

ALUMNI ASSOCIATION

With your graduation from the Cooper Union undergraduate body, you become an "immediate" member of a much larger branch of the Cooper family—the Cooper Union Alumni Association. Nearly 2,000 men and women are your "close relatives" now—the active members of the Association. And all of them, individually and collectively, stand ready to extend a helping hand to a fellow alumnus.

The purpose of the Alumni Association is twofold. It is, in brief, to help the school and to help Cooperites. Much of the help to the school, is, of course, financial. Each year contributions to the athletic clubs and teams enable them to function. A particular protege of alumni is the Yacht Club, whose boats were financed by the Alumni Association. Other extra-curricular activities have received financial assistance from the Association. It also gives prizes and awards for academic excellence annually.

The Cooper Union Fund is another means through which the alumni are carrying the responsibility that is theirs as heirs of Peter Cooper. It has provided many improvements at Green Camp (Alumni Pond is just one of them) and much new equipment at Cooper Square, as well as other "extras." The Fund has shown constant growth as a result of the increased participation and generosity of alumni, fostered by the Association.

All over the country Cooper graduates are banding together to perpetuate the spirit of Peter Cooper. This year Founder's Day was celebrated from coast to coast by local chapters of the Alumni Association in nine cities outside of New York: Miami, Pittsburgh, Syracuse, Albany, Cleveland, Detroit, San Francisco, Los Angeles and Houston, Texas. Next year we expect to double our out-of-town chapters. So, if you relocate after graduation, almost any place you go, you will probably be close to a Cooper alumni organization.

As an alumnus you will receive the Alumni News, which will keep you posted on the many facilities, activities and opportunities offered by the program of the Association. Do you want to exhibit your paintings? The Peter Cooper Gallery offers facilities for a showing at small personal expense. Or are you going to take the examinations for a professional engineer's license? The Alumni Association's P.E. Review Course is a planned and proven "cram" course expressly designed to prepare you. The course is nominally priced and members are given a special discount as well as preferred enrollment. Last summer the Alumni Association inaugurated a unique service to its engineering members. At a nine-day seminar at Green Camp, alumni out of school fifteen years or more were able to return to school for a series of sessions which brought them up to date on the latest developments in the basic sciences. In the beautiful surroundings of Camp, graduates of classes ranging from 1912-1940 were able to combine a wonderful vacation with good fellowship and stimulating lectures, discussions and good old-fashioned "bull sessions."

Or you can keep your hand in at the Sketch Class. Or maybe you would like to hear leading professional alumni tell about interesting and little known angles of their (or your) specialties, or discuss subjects of general interest. These at the monthly General Meetings. (Refreshments afterwards.)

Athletic events, social events which include the gala Founder's Day Dinner-Dance and the weekend outing at Green Camp in September, work on the Alumni News or other committees, all these enable you to get even more than you give, to keep in touch with your classmates and to meet other alumni, to develop skills and to form valuable contacts.

The lounge of Alumni House on West 53rd Street is available for class meetings and group get-togethers.

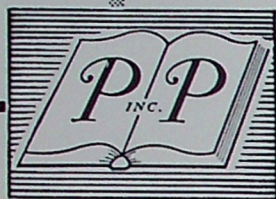
The Alumni Association looks to its younger members, among whom the class of 1954 is now taking its place, for fresh stimulus and active participation in all its activities. It welcomes you to the Cooper Union alumni family.

President—Joseph Rofman C.E. '28
2nd Vice-Pres.—William Lukacs Arch. '28
Treasurer—Hercules C. Cuttica E.E. '36

1st Vice-Pres.—Nicholas M. Molnar Ch.E. '26
Secretary—David T. Samson Tech. '24
Editor-in-chief—Howard Silfin M.E. '49



Alumni Seminar at Green Camp.



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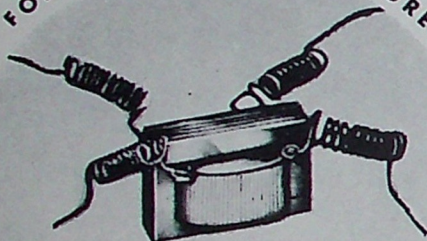
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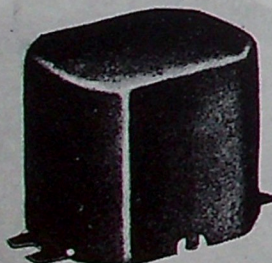
Miniature components to match the new "proximity fuse" miniature tubes. Output and input transformers, and reactors with dimensions $9/16" \times 3/4" \times 5/8"$.

FOR THE RESEARCH LABORATORY



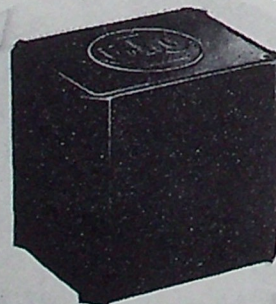
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FOR THE RADIO AMATEUR



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The Student Annual
Of The Cooper Union

Cornerstone Centennial - 1853-1953

Peter Cooper

12th day of February
father grand
were all born

every one the
John Campbell
and deputy quar
during the rev

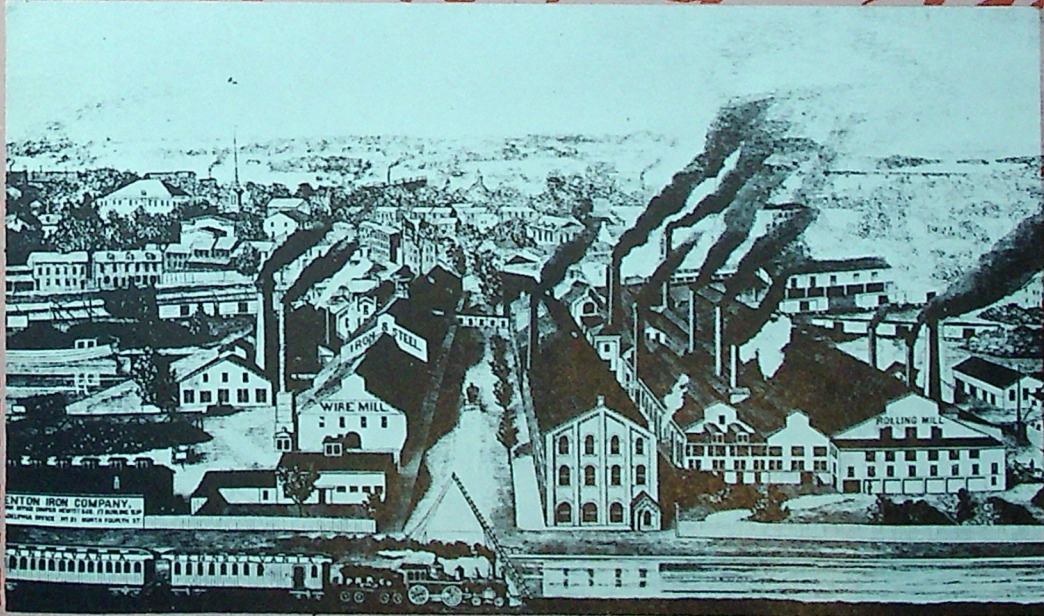
The Cable 1953-54

I design to make the Institution contribute
in every way possible to aid the efforts of youth
to acquire that kind of useful knowledge which
will enable them to find and fill valuable places . . .

Peter Cooper - Cornerstone Address, 1853

my earliest recollection
plucking the hair

was born on the
1791 - His Grand
father & Mother
in the City of
Grandfather
served as Mayor
as master General
of the road



Stewart
and
money
the
and entire



CORNERSTONE CEREMONY - SEPTEMBER 17, 1953

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On September 17, 1853, a small group of distinguished men gathered on Astor Place to witness the laying of Cooper Union's cornerstone. After a simple ceremony, with speeches by Peter Cooper and the mayor of New York, the crowd dispersed, and the event was soon forgotten in the passage of time.

The ceremony marked approximately the midpoint of Cooper's active work on his institute. He had begun to acquire the land for the site in 1839, and the school was first opened for students in 1859.

Therefore the symbolic first act of construction represented no milestone, but was merely a step on a long and difficult road.

But its importance in a symbolic sense was considerable. Like all ceremonies of beginning, the laying of the cornerstone served to tie the plan, the dream, to the

solid ground, and to give to at least one corner of the dream the substance of reality.

It was a twofold symbol: it was a declaration to the world that the construction had begun; simultaneously, it was the dedication of that construction to the ideals of its founder, Peter Cooper.

This year we commemorate the cornerstone centennial. In the hundred years since the cornerstone was laid, the institute has undergone many changes. Some of these were changes in appearance; others were changes in function, as the facilities of Cooper Union were adapted to the changing needs of the community.

This change and growth of the past century has evolved an institute differing greatly in form from the plans of 1853. But the growth has been always consistent with the ideas of Peter Cooper.

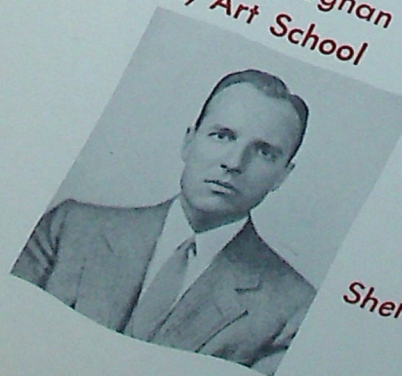
Cooper Union will continue to grow. The century to come will, possibly, evolve even more sweeping changes in its form and function. Because of this, perhaps, we celebrate the cornerstone centennial, to unite that future growth with the growth of the past, and to reaffirm our allegiance to the ideals of the founder.



Administration

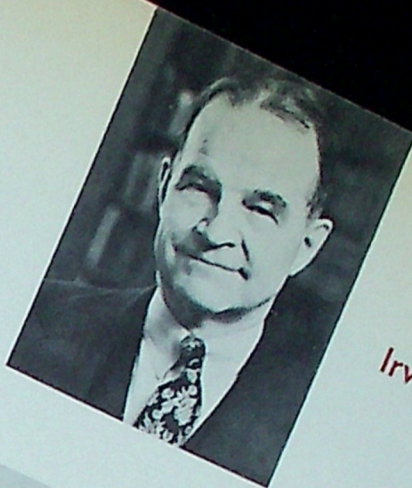


Dana P. Vaughan
Dean, Art School

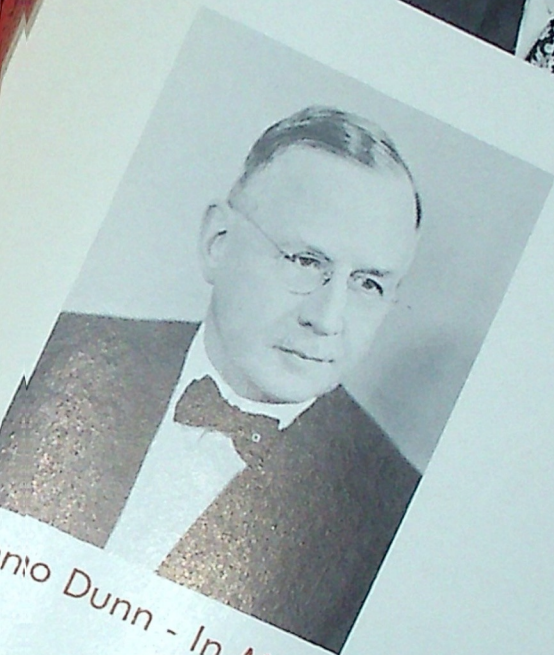


Sher

Elizabeth J



Irving S. Olds, Chairman of the Trustees



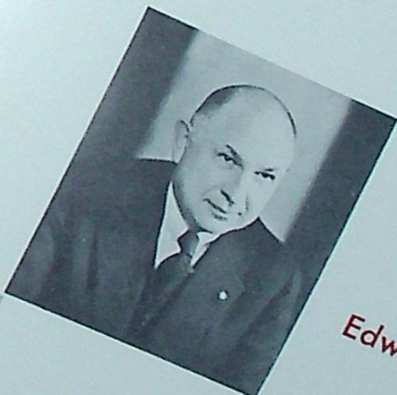
William Dunn - In Memoriam



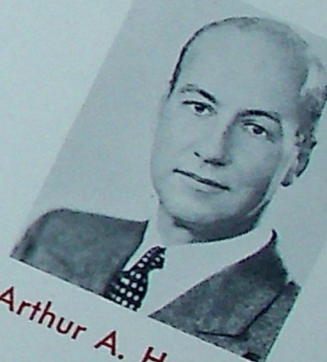
Hudson R. Searing



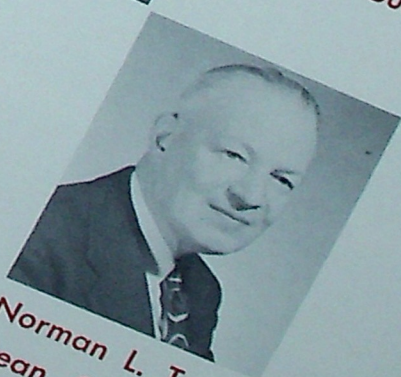
Harrison Tweed



Edwin S. Burdell, President



Arthur A. Houghton, Jr.



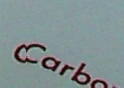
Norman L. Towle
Dean, School of Engineering



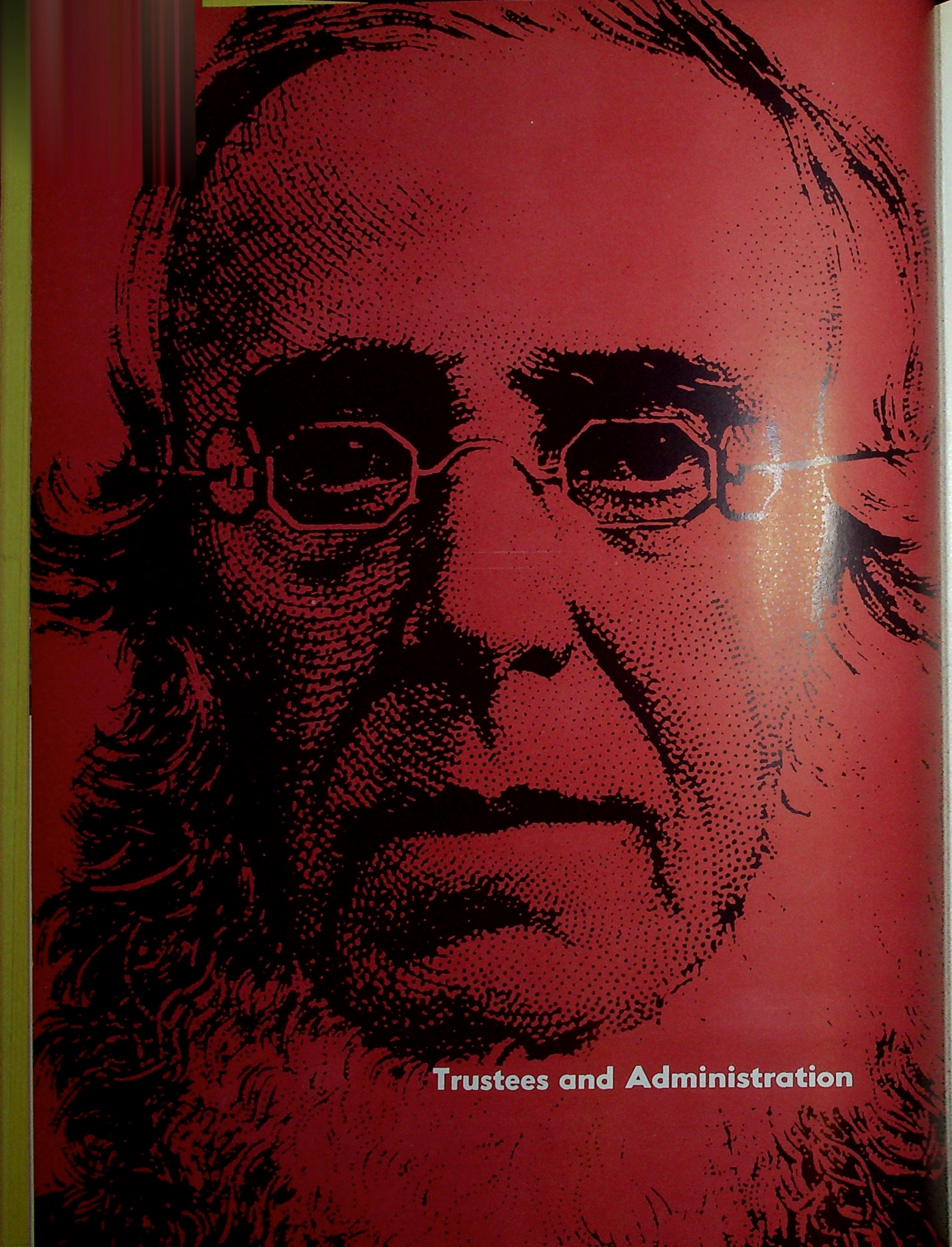
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Gano Dunn - In Memoriam



Hudson R. Searing



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Norman L. Towle
Dean, School of Engineering



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Sheridan A. Logan, Treasurer



Elizabeth J. Carbon, Secretary

First Class Mail

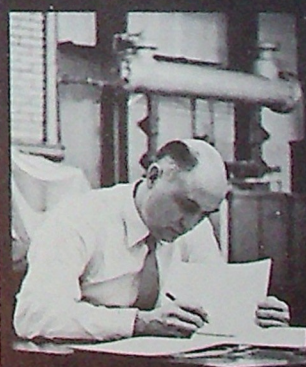
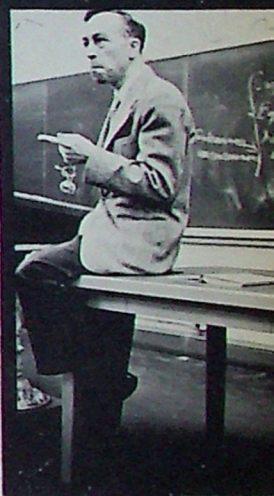
*These instructors receive our stamp of approval
They'll stay in place sans hope of removal
All First Class male, signed, sealed, and sent
With marked address and substantial content.
After four years with these stout men of letters
our minds get so quivery
That we note only one postmark—June ninth
Our Special Delivery.*

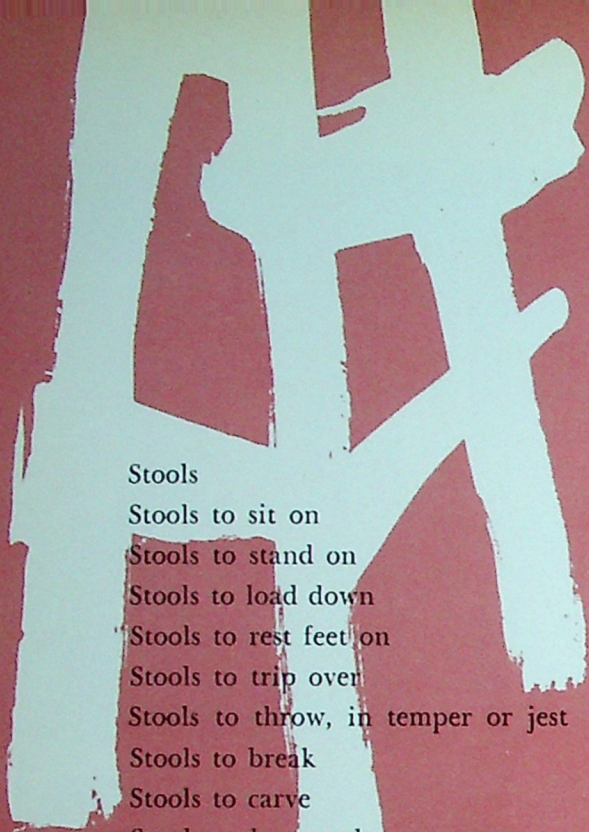
The faculty of the Cooper Union adheres to a strict teaching philosophy. This philosophy creates students of great self-reliance, moral stamina, independence of thought, and originality. In addition, many of these students have beautiful neuroses, smoke like fiends, and develop the habit of working straight through the night. The basic tenets of the philosophy are as follows:

- a) Never, but never, lead the student by the nose.
- b) Always assume that the student has a wonderful talent for benefiting from the mistakes of others, and grade him accordingly.

No matter what we say about our instructors, one undeniable fact remains. We know, and they know, damned well, that they never led us by the nose.



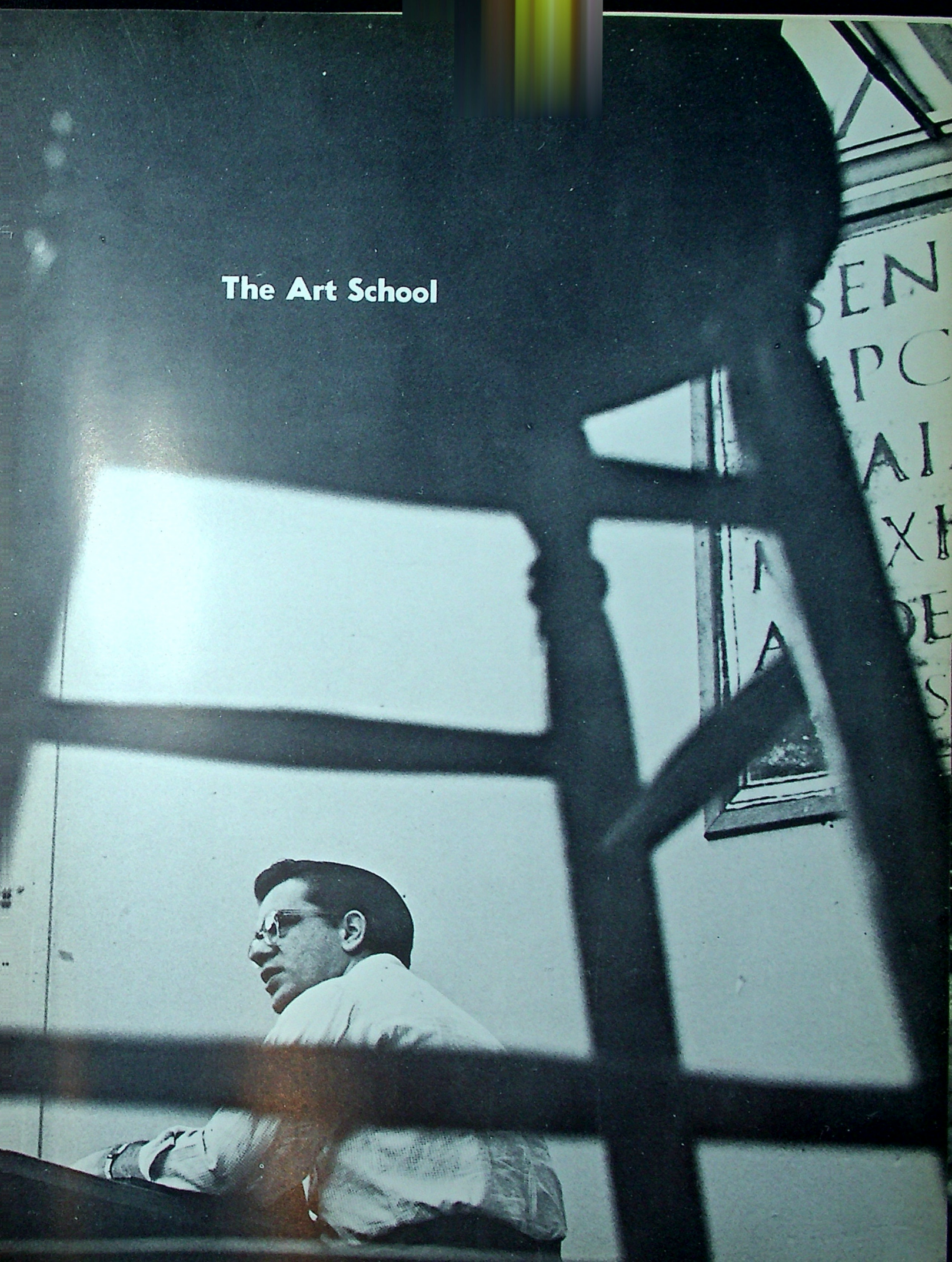




Stools
Stools to sit on
Stools to stand on
Stools to load down
Stools to rest feet on
Stools to trip over
Stools to throw, in temper or jest
Stools to break
Stools to carve
Stools to leave palettes on
Stools to dirty suits and good skirts on
Stools to photograph
Stools to sketch
Stools to paint
New Stools, old Stools
Short Stools, tall Stools
Uncomfortable Stools
Cooper Union Stools



The Art School



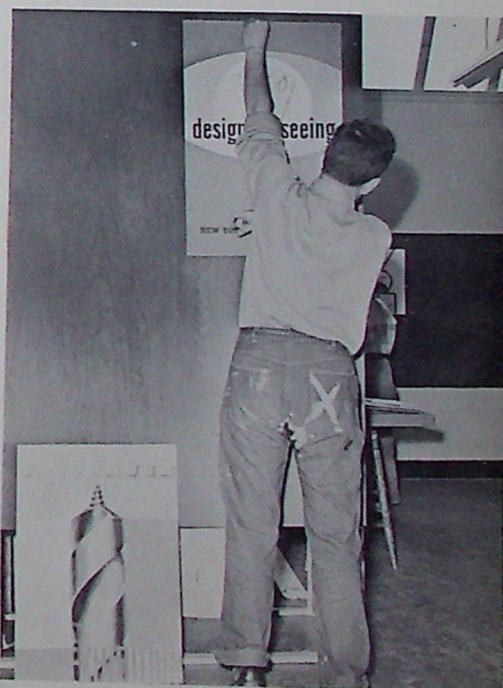


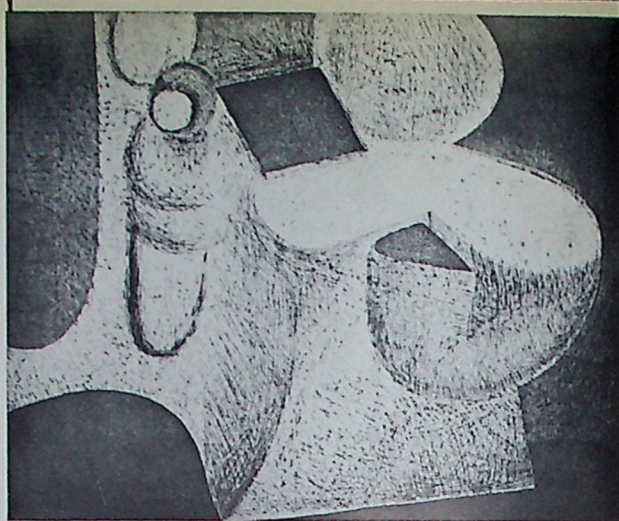
After the ball is over . . .

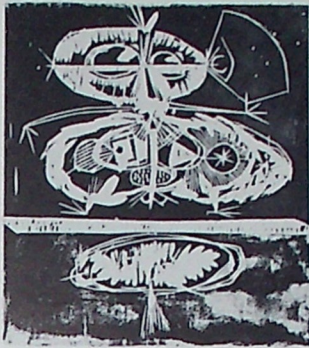
We say goodbye to people . . . and places . . . Next years heirs will inherit our vacant stools and empty easels, but we shall always hear our wastebasket bongo drums . . . have those spontaneous jam sessions . . . the folk-songs and guitars . . . the Christmas carols in April or September . . . the deep, heated discussions about the validity of Leger or the definition of truth and beauty, and of course, what are we re-ahhly accomplishing?

What a sounding board that sixth floor lounge was . . . how it shook with impromptu bebop sessions, how it reeked with smoke . . . the hubbub during the breaks, how it welcomed "The 2:15 Club" to its empty benches, how soft the big tables were on the morning after the all-night homework jags, how those bare furnishings brought out the ham in some people, sometimes as King Arthur's court, a POW camp, an opium den, an art director's office (with bullpen), Egypt on the Nile, the wild, blue yonder, Dodge City in the 1800's or . . . meanwhile, back at the ranch . . .

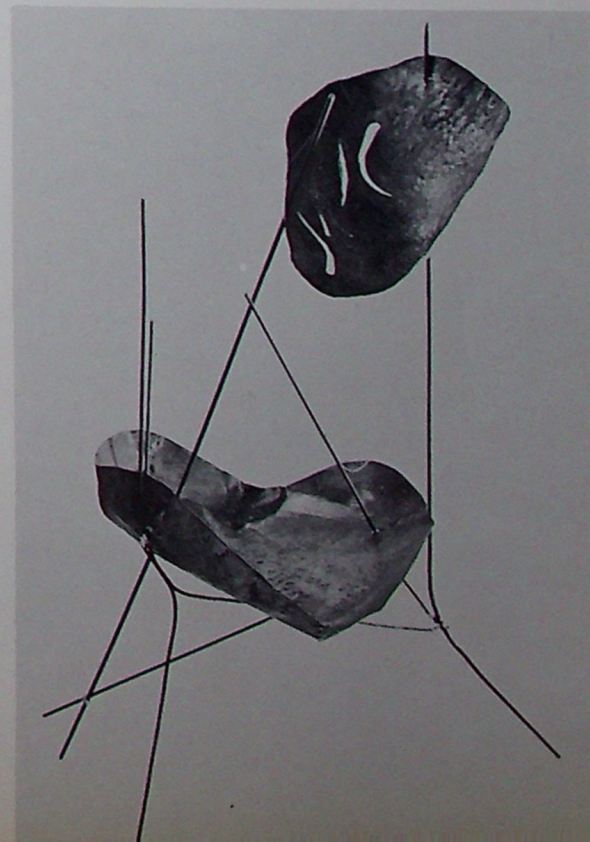
It's hard to feel, now, that we weren't always seniors, but we can all look back and remember how the clouds disappeared from under our feet as we slowly, really realized the benefits of our education here at Cooper. With it behind us, with us, we are all anxious to get out and try and set the world on fire. Most of us will make a good try, some of us will make it, and a few of us . . .

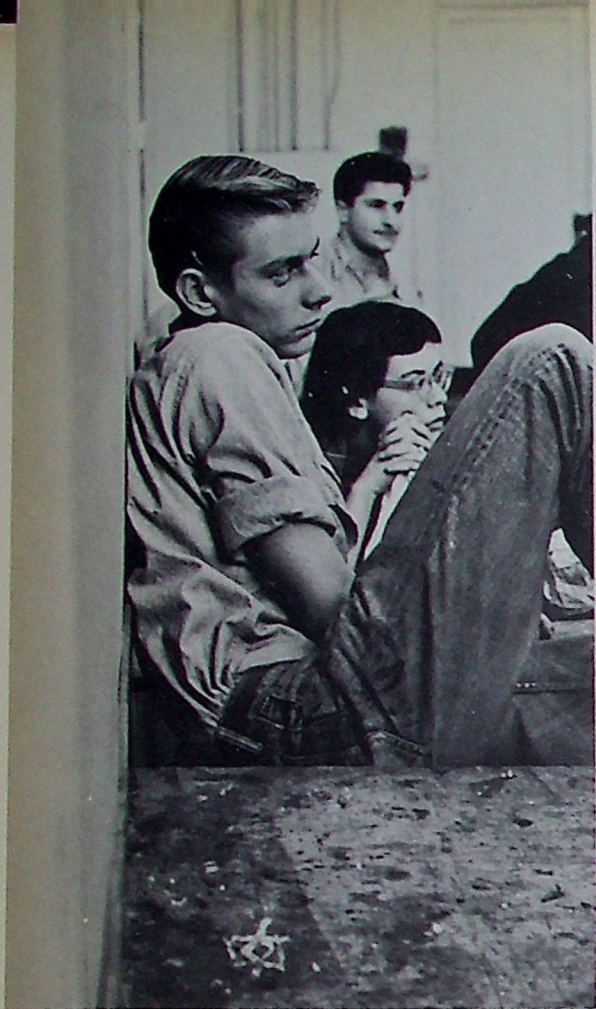






ABCDEFGHIJ
KLMNOPQ
RSTUVWXYZ
NEULAND
ITALIC
abcdefghijklmn
opqrstuvwxyz





For the fine artists (good luck and God bless 'em) and for all of us, the atmosphere and knowledge here at Cooper Union has given a wonderful direction to our lives. We have learned much more than what makes a good painting, or how to mix colors and not get mud, or how to set type so that it fits, or how to recite the hundred best sellers. We have learned to see and recognize and observe and appreciate. We have learned to think in new and creative ways. We have learned the importance of humor and friendship. We have a fresh and optimistic approach to offer the world.







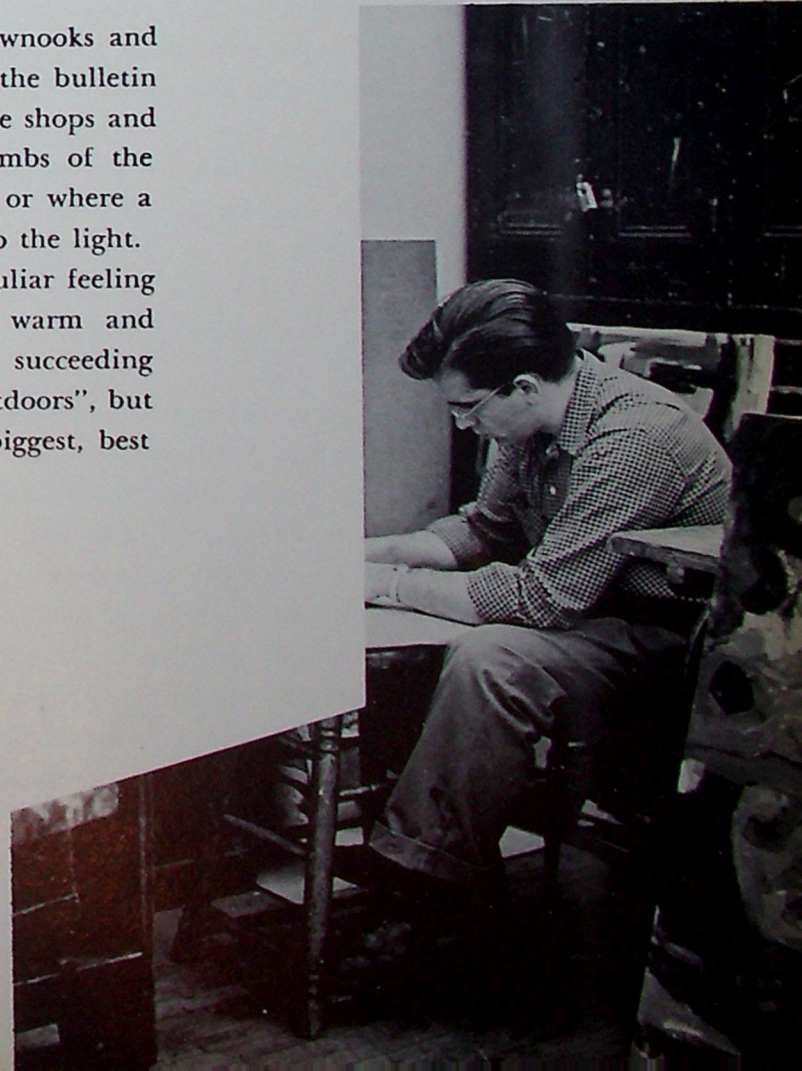
Someday we'll revisit the college of our youth to glimpse the rooms where our futures materialized, the rooms with the easels and stools where we learned that painting was not easy, but where we suddenly found something beautiful and meaningful under our brushes. We'll see the dust-laden fixtures of the sculpture rooms where lovely and expressive constructions were formed from wood, wire, white plaster, and unyielding stone and iron. We'll see the stools and tables where we absorbed the theories and elements of creating inspired and functional homes, schools, offices, museums, and parks. We'll see the rooms where we racked our brains in search of new, unusual, creative, and effective solutions to a timeworn advertisement, and the rooms where professors acquainted us with the thoughts, ideas, and discoveries of great and worthwhile people, past and present, so that we could see, understand, evaluate, and perhaps someday improve upon what they have lived with.





We'll see the lounge and the stairs and the windownooks and the lockers and the museum and the libraries and the bulletin boards and the elevator and the store and the coffee shops and McSorley's and all the other places in the catacombs of the Cooper Union where a pleasant moment was spent or where a thought, an idea, a philosophy, or a truth came into the light.

All these things we leave behind with that peculiar feeling compounded of reluctance and fulfillment. The warm and friendly instructors and advisors remain to guide succeeding waves of students. We seek places in the "Great Outdoors", but we all know inside of us that we are taking the biggest, best and greatest things with us.



How remote the structure of the nebulous atom must have been to the men of 1853. How remote indeed was the entire fabric of our technology. Were we, however, to scan the past in hopes of finding a soul whose dreams might best have conceived the world today, and while in so doing find one who was adroit enough to establish an institution which helped create this technology and grow with it, we could not help but find the name of Peter Cooper.

For in this man we find the mind of a dreamer, a mind that transcended the platitudes of most men's . . . for he dreamt of prodigious iron horses racing the breadth of our land, of cables spanning the fathomless depths of oceans, of a vagary called the elevator.

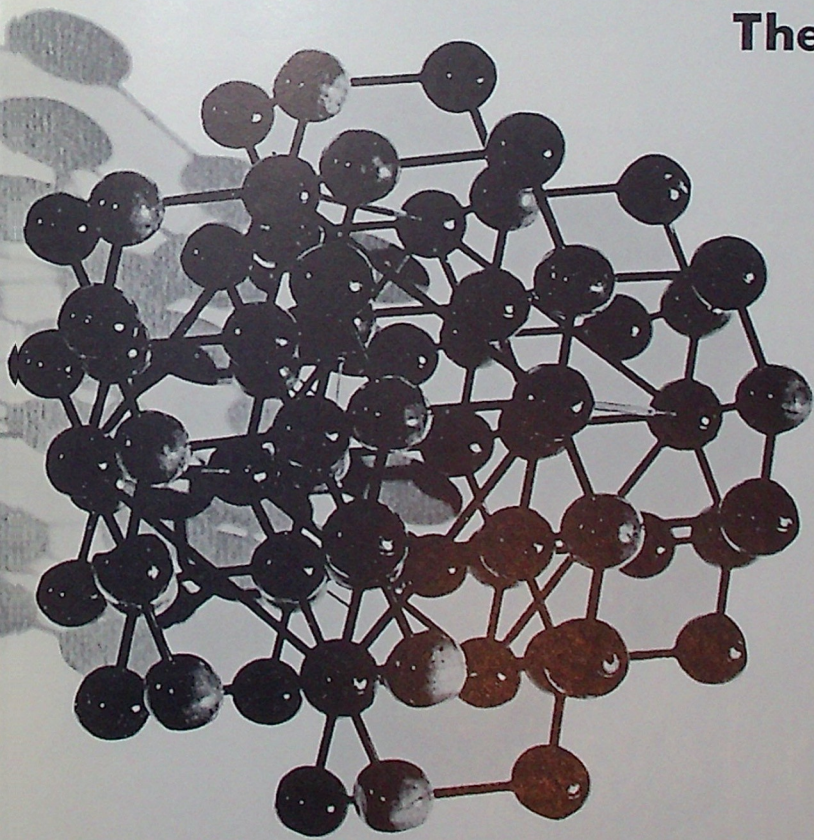
Had this man dreamt and only dreamt, nothing further could be said. But dreams to Peter Cooper were those incipient seeds which would some day manifest themselves into reality.

We bear irrefutable witness to this! For we are the engineering graduates of the Cooper Union. We, as have been our predecessors for an entire century, are the realization of a mechanic's dream.

WHO ARE WE?

We are recruited from the sidewalks of the city, from its water bound edges to its glimmering towers, from distant suburbs; we represent every strata of society. As an entity we are shapeless, we merely resemble youth. Only our objective is common . . . the acquisition of knowledge; the improvement of thought processes. Through this acquisition we express a fervent desire . . . that one day we might bear in our society, a part of its professional responsibility, . . . in the capacity of an engineer.

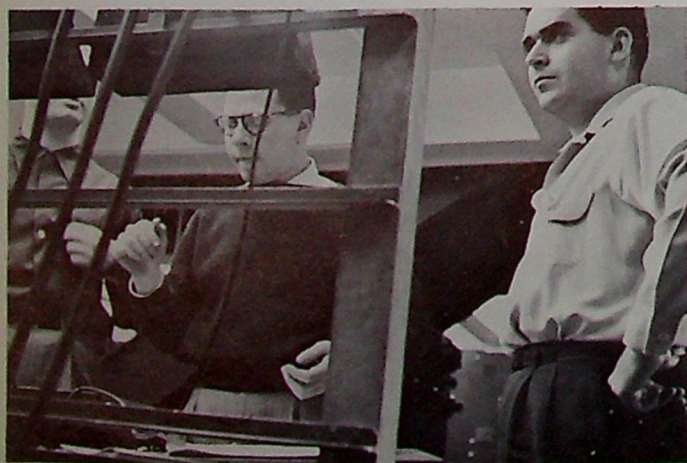
The Engineering School





For four hectic, fascinating years in our existence we were subjected to the vascilating rigors of higher education. We, the dilettantes of high school physics and mathematics were inexpressibly crushed by an inhuman 37 in physics 1 on examination 1, in Row C, Seat 4; and we sensed a disturbing inadequacy as we were unable to complete our mathematics homework in 15 minutes on the Brighton Local.

Remarks such as: "I came here to be a Civil, not a test tube technician," resounded in abundance.





The peremptory commands: . . .
run backwards . . . fall down . . .
wiggle . . . have an intrinsic nostalgia.

The prolixity of hours spent at the school, compounded by the exigent assignments, began to remold our adolescent nature into one necessarily more mature. After an eon or two, the finals . . . they marked more than the completion of a year's work, they marked the graduation of the neophyte from a world of uncertainties and apprehensions into the world of college life. "It can be done", is a most gratifying of feelings.

Sophomores are unique in the realm of mankind. They hold a sequestered position. After all, are they not just a little below the angels and a little above the freshmen?

Physics and Mathematics were incorrigible plagues as well as democratic equalizers. They didn't discriminate among those they molested. Poor Frobenius and Descartes and La Plaz; little did they think that their life works would be bandied about, asserted, decried, confirmed, rejected, and acclaimed over the tables in a place called McSorleys.

Another round, waiter!

But out of the whirligig of material we began to see the vague outline of a pattern. Techniques in thinking were found to be more important than remembering physical constants. For the first time we saw something we learned in a course named Math 4 being applied, and aptly too, to a course named Physics 4. How cooperative!

A Junior — our minds returned to earth from the sophomoric cloud. After two years we began to learn some of the elements of our chosen fields.

Two years of assiduous preliminaries to find we knew relatively little of what was to be our life's work.

We had crossed the desert of theory and had begun to ascend the mountainous barrier of practicability. The formula necessarily adhered to the stringent rigors of the mathematician, invariably offering up an answer, with proper units of course. The interpretation of this solution, the transformation of inanimate numbers into a structure, or mechanism; this was the function we aspired to perform.





The realization of our physical limitations, of the heterogeneity of men and material, and of the greatest intangible yet encountered, the human element, had to be acquired. Our texts changed their form from that of algebraic analyses to that of chronicles of experience.

The final year brought with it its own intrinsic pressures. An aura of urgency pervaded. We were accosted by the representatives of industry, and the representatives of the military. We realized that our decisions would shape our destiny.

To this point we had suckled the essence of our society, had taken much and given little. The time had come for us to become the contributors. Cooper Union, our families, and institutions had prepared us. It was now up to us to do our part.



Traces



we wonder sometimes whether maybe
remembering isn't really a two-way process
whether if we carry with us some ineradicable
corner of this school
this building, this way of life

might not we perhaps have left somewhere
some artifact of ourselves
some trace, some shard,
some sign to mark
our passing?



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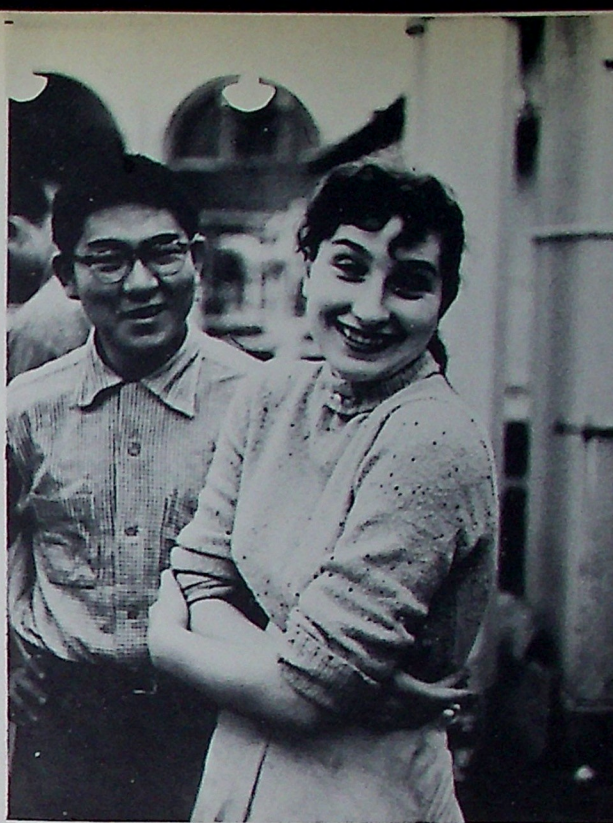


awright awright *im awake* stop
shaking who can drink milk this
time of the morning *gad the*
walk to school seems to get
longer every got all your plates
for two di *never thought id*
make the train today after set
the alarm for bloody el gets
louder every time i *hey jack*
didja solve the last mechomat
so i called him up last night and
told him for the last *well three*
oclock my mother comes in and
open the door for me *willya my*
arms are full on account

i tell you i cant go on forever
on nodoz and black coffee and
art ford almost got killed by the
bus on fourth coming we late yet



listen to the typewriters how can people
make so much noise so early in the
morning *hurry up i wanna catch the ele-*
vator one more nobody exhale pardon
me as my rib in the way of your elbow



*how come they never made it round therefore you take x^2 and differentiate so
x would be lemme off at five please getting gout you do the homework for
whatsisname i tell ya the lounge will never be the same gimme a smoke think
we got time to i knew it the bell each time i light up a okay now clear out get
to class before see ya at the break ritchie obviously gentlemen the gaseous sub-
stance that results*





do you hafta put that easel right in front of watch where youre sloppin that plaster ya stupid could somebody help me open this tube of paint and the separation in that elbow is crack-erjack but lookit the blackboards hey got the machine graphs thats the beauty part of it naturally rimbauds symbolism tends to be at the voltage output for twenty minutes im sorry but my grandmother died and i just think the new yorker is so damn superficial im supposed ta get the lab report when larry gets done with



lets go out to the lounge for a cigarette *i get home and theres a message that cmon over to mcsorleys after thats the bell for the break anybody got a butt im fresh out sid get your uke out of the locker and made a date for this saturday but already im broke yknow last weeks model was better than the hi bubbie how are you get your coat lets go for coffee at didja pass your volleyball test who needs it so everyone must be on the hill and he must sing i guess ill have to change my got tickets for the opening of its good old reliable nathan nathan do you have to play that again figure we got enough time left to smoke another breaks over get back to class awright awright just one more drag gain of the amplifier can be increased by adding a capacitor in series what if you add sodium hydroxide to acetic acid instead of i cant mix the same color blue i had last time*

no i dont go out with jerry just because he has a car if you cantilever it the force take for instance his portrait of mme look herb he takes my knight and i trade it for his in this example of egyptian art we are able to see the frontality given to whats the reflux ratio meanwhile back at the and while youre downstairs get me a jar of ochre and a package of cookies cmon over to the camera place during for the case of gas phase controlling

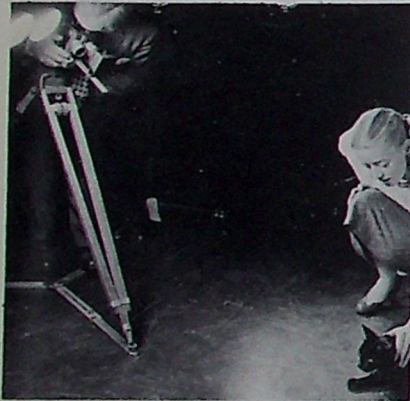






lets go out to lunch the bells due to ring any
second you going to arthurs or thats it the bell
what kind of sangwidges you got look a plum
trade you a peanut butter and jelly for a
chopped lets go to the sagamore and eat our
sandwiches there with coffee save me and marty
a seat watch it coming through with a tray so
look ill go with get me a black and ywanna walk
over to the arch dont mention that foul test
again know whos taking her to the dance so ray
is standing there see







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Occasionally, when the ubiquitous bird seed odor becomes unbearable, the thoughts of Cooper students, both artists and engineers, turn to memories of the fresh, clean breezes at Green Camp. Their minds' eyes wander. They see the weather cock atop the dormitory welcoming the refreshing winds from every direction.

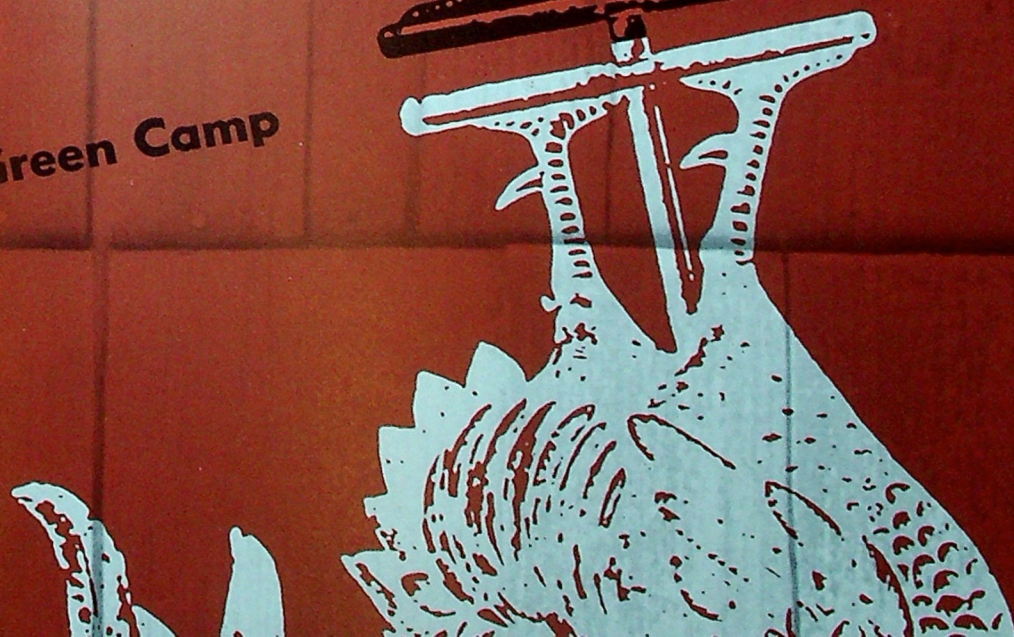
As versatile as the winds themselves, as diverse as the points of the compass, the camp serves a multitude of purposes, many of which were probably not envisioned by its donor, Mr. Norvin Hewitt Green. The thousand acres of Ramapo countryside, and the few farm buildings thereon, have served as a site for orientation and surveying sessions, landscape painting lessons, alumni seminars, and of course, those unforgettable weekend trips. Thanks to the able administration of Professor J. M. Peterson and Mr. Maurice Zarchen, and the care taken by Mr. Harry West, Green Camp has truly earned the appellation of the Cooper Union Country Club.

The old and the new meet and blend at Ringwood. Into a historical setting, virtually reeking with tradition, come the molders of tomorrow's world to learn, to develop, to mature. The motif of the camp is rustic. There are trophies of the hunt and rough-hewn furnishings. As a consequence, the newly arrived at Green Camp are always amazed to find steam heat, hot water faucets running hot, windows that never jam, recreational facilities in excellent condition; in short, everything neat and tidy and in its own place.





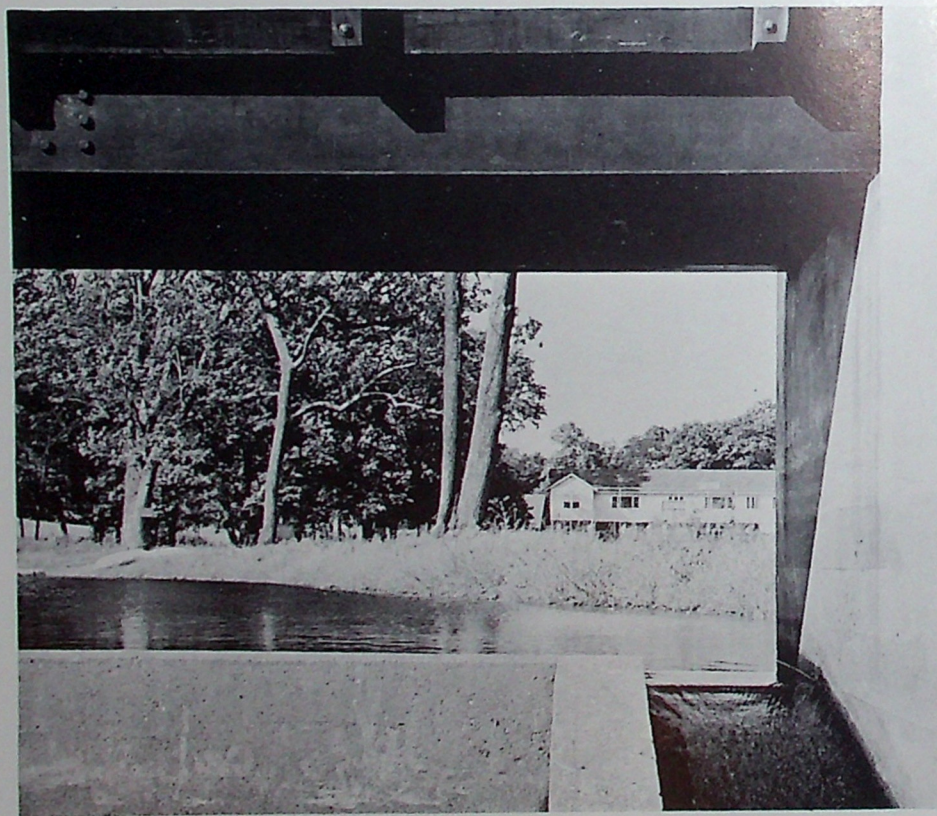
Green Camp



To the very place where he had listened to orientation lectures, to the place where he had labored hard and long to assimilate the theory and practice of surveying or to capture the beauties of nature on canvas, the Cooper student returned.

Often it was just on Field Day to conduct his best girl proudly on a guided tour. More often, homework notwithstanding, he went to spend a weekend, to get away from the grind. He left behind the noisy "el" and cobblestoned Third Avenue.

He forgot his slide rule, paint brushes, steam tables, and lettering pens,—except possibly for the hours between one and four A.M. He went to find open fields, fresh air, sunshine, and a few carefree hours. Muscles, long dormant, were stretched and often strained. But what of it; he could relax in the lounge and absorb the warmth of the fireplace. And the heat generated there was not usually due to the fireplace alone. There were the interminable bull sessions; discussions about art and politics and religion and Kinsey. All weekend he played and worked hard,





studied and slept little, ate well?, and found himself on Sunday morning with just about enough energy left to do his cleanup detail.

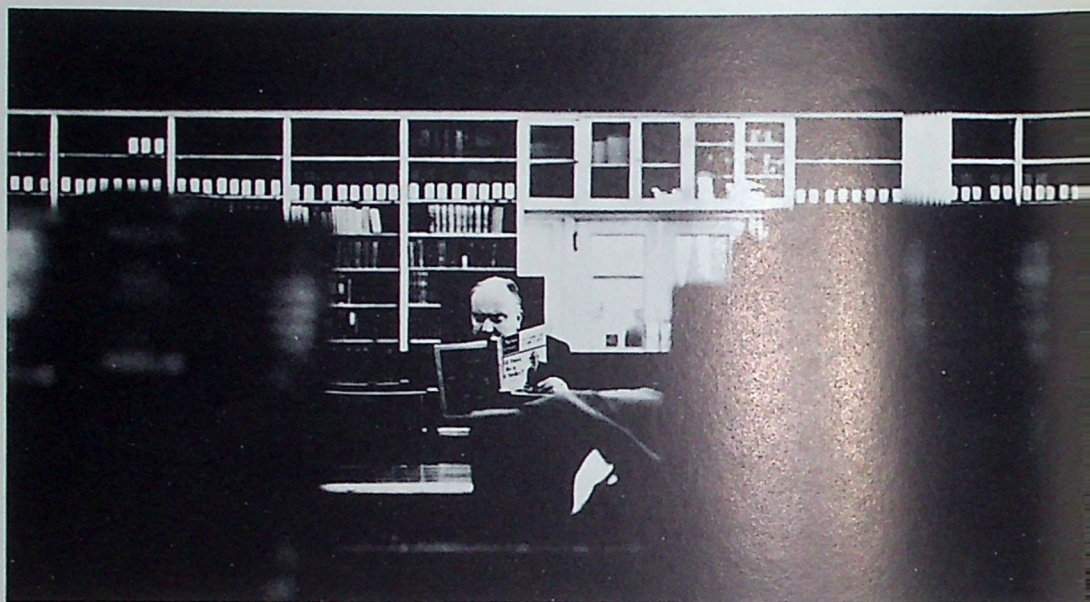
Certain incidents he will remember vividly, like the time (——) hid the radio transmitter in the girls' dorm, or the time everyone came formal to dinner, or the mambo session in the kitchen on pots and pans.



We are conscious of many benefits derived from our visits to Green Camp. We learned much and had memorable times. But perhaps the most important and lasting values derived are the intangible ones. There is something about the coming together of the embryo artist and engineer, and calling of an instructor by his first name that must be experienced to be appreciated. The informality that prevails, the pleasant surroundings, all the things that go towards creating the environment that is Green Camp, enables that unique social intercourse to thrive, which exposes youth to the duties and privileges of communal living. A kind of wisdom is imparted which helps us understand ourselves and our fellows. We emerge better prepared for the problems of life.







The Library

Basically a library is a place where people read things, but the things that people read change with time. The budget of the Department of the Interior for 1884 gathers dust besides the Collected Speeches of William Jennings Bryan, while some things, like engineering and sex, are thumbed and pored forever.

The library became a part of us. It was education. It was relaxation. It was something we gladly accepted and, for most of us, something taken for granted.

The library has always been an integral part of the school. Since its humble but progressive beginning as one of the first free public libraries in the country, it has expanded from a few thousand volumes to a hundred thousand books and periodicals, occupying almost an entire floor. The progressive spirit born in the old reading room has never died. It is alive today as evidenced by the changes we have seen in the few years we have been at Cooper. These include the extended audio-visual service, and the institution of stack browsing privileges.

The constant transition continues. In the near future records, and pictures from the art library, will be placed on the lending list. A reorganization of the engineering books and periodicals is now under way to make them more accessible to students.

We'll remember roaming the stacks looking for the ASME Code, or Hougen and Watson, or the uniform worn by the Praetorian Guard in the second century A.D. We have taken more out of the library than books. We are indebted to it for more than a few late book fees.

The Forum

For the animal to remain alive, it must breathe; for man to remain free, he must speak. Towards this end, the Cooper Union Forum presents three weekly series of programs in the famed Great Hall. The Sunday series features music, dance, opera, and drama. The Tuesday program was divided between discussions on the "Solar System" and "Trends in Philosophy". The Friday series consisted of "Foreign Policy Without Fear" and "Dynamics of Democracy". The near-capacity turnouts at each of these sessions is conclusive evidence of the New Yorker's continuing hunger for knowledge.

The "Short Courses" sponsored by the Division of Social Philosophy are a further answer to this yearning. Such diverse subjects as "Great Gadflies of History", "Religion and Citizenship", and "Races of Mankind" are offered together with many practical courses including "Care of Your Heart", "Spend Your Money Wisely", and "Pre-marital Problems".

Professor Johnson E. Fairchild, chairman of the Forum, has his eyes set on many other fields for the Division of Social Philosophy to enter. There has been talk of trans-Atlantic forum sessions, by means of WNYC, between the Cooper Union Forum and the BBC in London. This would be an undreamed of extension of Peter Cooper's simple but far reaching statement that there should be established at Cooper Union a "regular series of free public lectures at night".

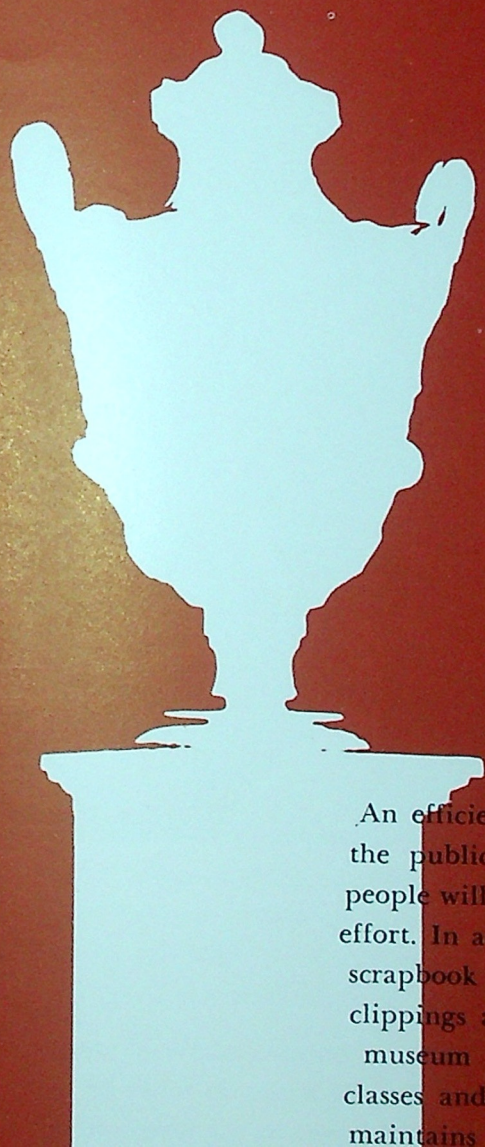




A museum is ordinarily a collection of things from the past. Fortunately, the Museum for the Arts of Decoration is much more than that. A museum, to serve a useful purpose in society, should be a living, growing thing. It should help furnish the building blocks upon which the future can be built.

The extensive use of the Cooper Union Museum by Interior Designers and students, as well as by many other types of commercial artists, who come to gain inspiration from the fine collections of period furniture, textiles, wall-paper designs, and prints, testifies to the foresight and fine taste of its founders. The Misses Hewitt, granddaughters of Peter Cooper, provided the nucleus of the present collection in 1897. Since then the museum, located on the fourth floor of the Foundation Building, has grown considerably. Today it is a goldmine of information on the decorative arts, containing about 70,000 articles.





The Museum

An efficient and courteous staff, dedicated to the service of the public, ensures that visiting students and professional people will find what they are looking for with a minimum of effort. In addition, there are various study rooms, including a scrapbook collection containing over a half-million classified clippings and items for the convenience of researchers. The museum provides drop cloths and stools for visiting sketch classes and artists who wish to copy various articles. It also maintains a library containing many rare books of interest in



THE PIONEER

To the amazement of most of the student body, and the grave concern of some, the Pioneer entered its fourth year of uneventful reporting of the Cooper scene. It must be confessed that the complete *unness* of events wrought more than the usual havoc to the news-starved staff.

However, an awesome supply of fanciful interviews with famous authoresses and other characters was provided by the Pioneer's ever-ready stable of used up editors-in-chief, of whom perhaps the chiefest was one Larry Block. This fearless newshawk delved deep behind the goings-on at Cooper's semi-secret basketball games.

The astonishing pack of editors emeritus was itself considerably astonished by an unexpected increase in its number, when Herb Kahn, erstwhile patron saint of the paper, stepped aside to make way for younger blood, a substance of which he had been almost completely drained during his term of office.

However, the paper's lofty standards were maintained under the competent management of John O'Connor and Giyora Doeh. Only one failing plagued Okey and Guy: somehow they could never quite grasp the mystical business procedures indulged in by business manager Bob Alwitt, who obtained money from advertisers by a process approaching extortion, and occasionally developed strange ideas about the amount of space necessary for news and editorials in the paper.

THE CABLE

Israel Rubin, our miserable Editor in Chief, would go around wailing that this was the worst Cable staff he had ever seen. Since he hadn't seen many other Cable staffs we took this rather lightly. For revenge we spread the rumor that Iz was the worst Editor-in-Chief that we had ever seen. One fact was undeniable. If money could buy a good Cable the rest of the staff could sit back and let old Izzie the "goniff" handle everything. Iz was absolutely certain that we wouldn't meet any deadlines at all. "Ed you !?&\$!*%# (and other choice Turkish phrases), when are you going to do some work?", he would holler at his Associate Editor. It was true, Iz never saw Ed doing any work. In fact no one ever did. However, every once in a while, when people least expected it, he would come tip-toeing into the Cable office bearing an armload of manuscripts. He also managed to enveigle Julie Franklin into making a recording. This plan backfired. "My voice", he was heard to go around mumbling, "is not on the record". Arnie Arlow, being Art Editor, naturally sympathized with his fellow art students, who are a little rusty when it comes to reading and writing. The upshot of this was that Arnie's motto became "less work for the literary staff" as he proceeded to turn out arty layouts, replete with loads of pictures and very small blocks of large, easy to read, type. After going around tearing out their hair at his requests for "blocks" of type, many a frustrated writer was tempted to go back to Arnie and say, "about that $2\frac{1}{2}$ " x $3\frac{1}{4}$ " block of type, should it present a medium gray or a light gray appearance?" It would have been no use, however, Arnie would probably have pulled out the layout, squinted at it for a few seconds, and muttered, "medium gray". Arnie was much aided by Herb Rosenthal and his eager Photography Staff. Give a photographer an expense account and he is in seventh heaven. He will even cut classes to use up your money on "Ilford FP3" film. The Literary staff headed up by Irv Gruverman and Morty Lippmann, Willie Muhlker's winter replacements, spent most of their time trying to get some work out of Ed Drogin and Willie Kruse. Murray Spector, Senior Editor, on the other hand, was above such things. All his blurbs were written early in 1935 and he had nothing to do but stack them into neat piles so that Tony Merlo could type them up.



Cable Staff

Editor-in-Chief

Israel E. Rubin



Art Editor

Arnold J. Arlow



Photography Editor

Herbert M. Rosenthal



Co-Literary Editors

Irwin J. Gruverman

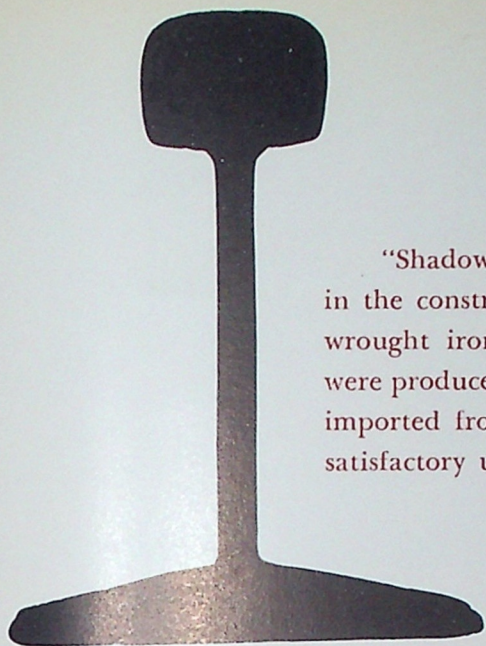
Morton Lippmann



Associate Editor

Edwin M. Drogin





"Shadowgraph" of a cross section of the original beams used in the construction of The Cooper Union building, 1853. The wrought iron beams, first ever rolled for structural purposes, were produced by Peter Cooper's Trenton Iron Company on rolls imported from England for the purpose. They are still giving satisfactory use after a century.



Assistant Editor	Senior Editor	Business Manager	Advertising Manager	Recording Editor
<i>Peter F. Straka</i>	<i>Murray Spector</i>	<i>Marvin C. Fields</i>	<i>Leon M. Lehman</i>	<i>Julius I. Franklin</i>

LITERARY STAFF:

William J. Muhlker, William E. Kruse, Marcia S. Udoff, Manuel R. Ortega, Charles B. Slackman.

ART STAFF:

Lou Grant, Assistant Editor; Helen M. Hayashi, Marilyn Stern, Richard Presser, Robert A. Birmelin

PHOTOGRAPHY STAFF:

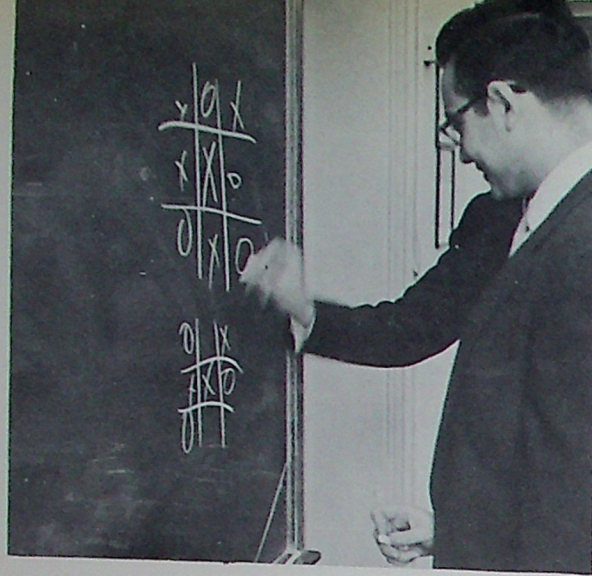
Charles E. Gillen, Lawrence Wasco, Joseph C. Gala.

BUSINESS STAFF:

Louis F. Schaefer, Bernard S. Blum.

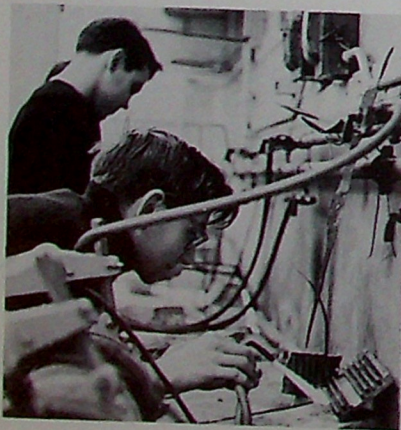
SENIOR STAFF:

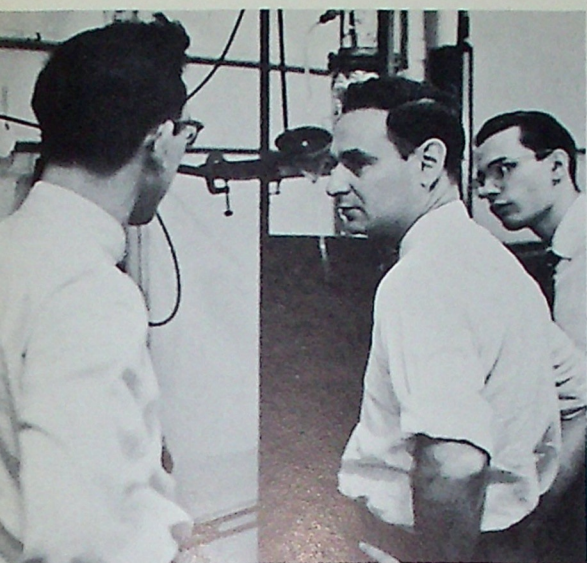
Tony Merlo, Philip A. Harding.



MORE TRACES

what kind of vegetable you want with
the *whatre we supposed to do for pro-*
fessor ya gotta admit while she aint
bright shes homely *met the cutest fella*
last lend me your fluids homework so i
can copy it in the library you *on the*
pioneer i got a letter for the editor when
this same material is used in members

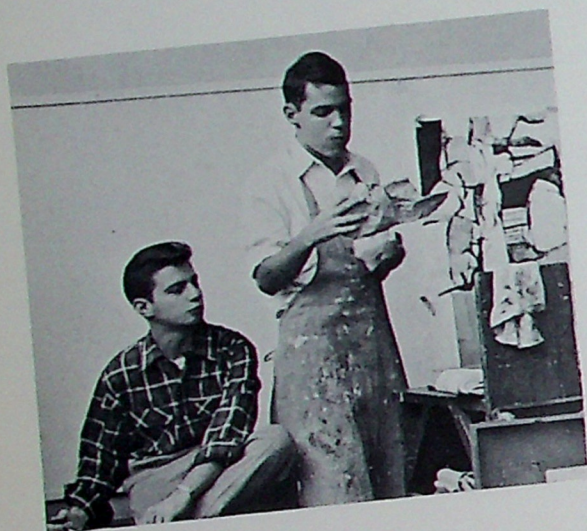




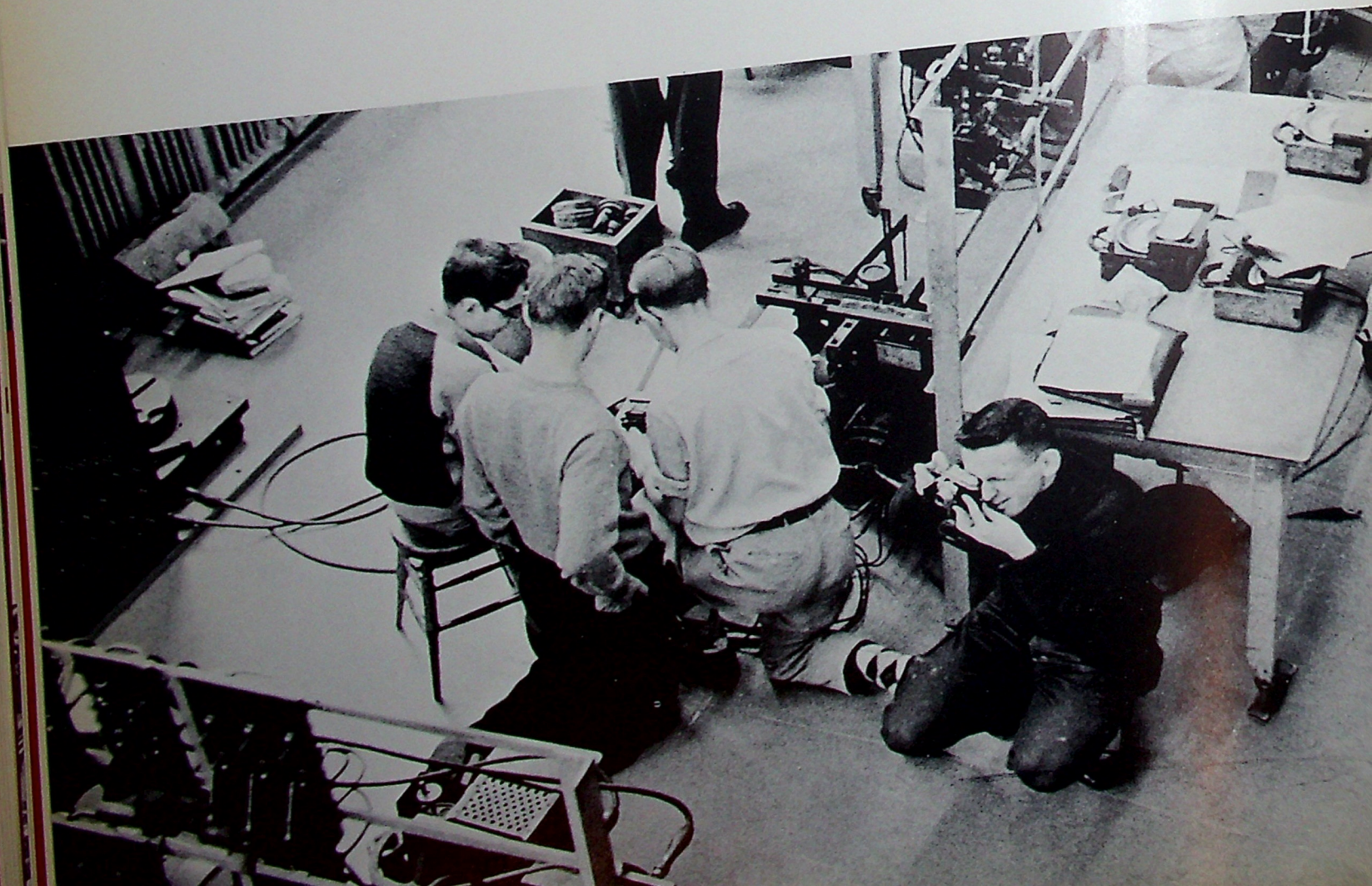


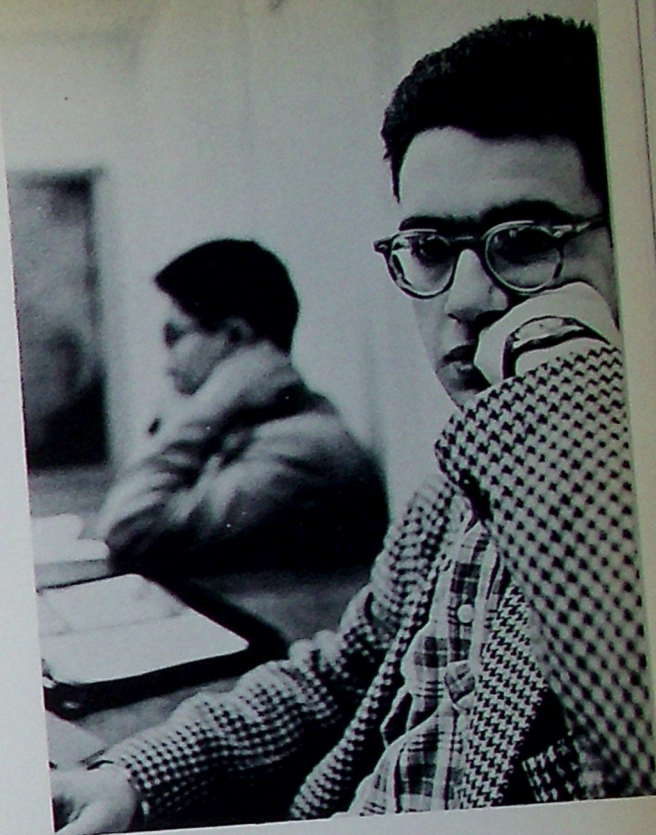
subjected to axial tension or *the greatest double feature*
ever jack larue and so im sitting up there in the office
 sweating my got home around four well she says couldnt
 get the tune outa my head goes dum te da dum da dum
thats from what could i tell him i was just minding my
 own hey you going up on next weeks camp trip hes
 screaming down the hill and pow right so he reaches up
 and turns out the light so i say to him i know youre an
 e e but took me a whole week to clean the carburetor
 leave that chair alone it belongs to this table





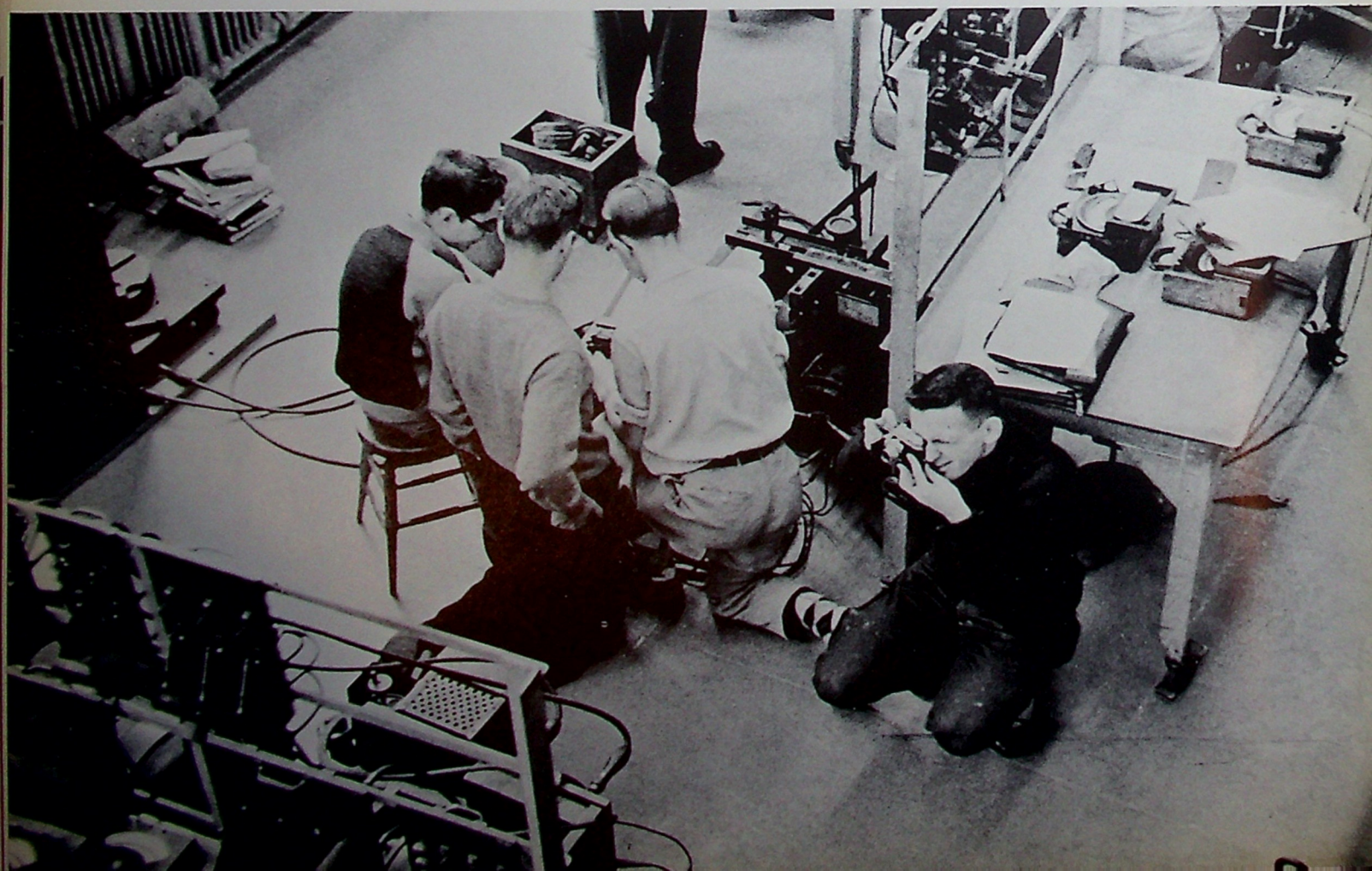
he returns the paper with all kinds crazy idiot
 markings on it say guess who got drafted my
 fatherll probly raise hell who got my check its
 a cuppa cawfee an a danish an hes taking me
 to see wonderful grab your books its time to go
 back cmon levy here lyon here leichman any-
 body see making the ascender twice the height of
 from a study of the properties of structural steel
 we find get some paint on your brush for a house
 and five hundred square feet of space including
 replacing the usual resonant circuit of an oscil-
 lator with what kind of monogram does he mean







he returns the paper with all kinds crazy idiot markings on it *say guess who got drafted my fatherll probly raise hell who got my check its a cuppa cawfee an a danish* an hes taking me to see wonderful *grab your books its time to go back cmon* levy here lyon here leichman anybody see *making the ascender twice the height of* from a study of the properties of structural steel we find *get some paint on your brush* for a house and five hundred square feet of space including *replacing the usual resonant circuit of an oscil-* lator *with* what kind of monogram does he mean







you see the shapes in this area recede when working with terra cotta you gotta be careful not to and i need a number two b pencil how much is that paper with the squares on it what-didya use to mix that green prussian and what else gimme a paint rag quick i spilled ink all over the in twenty four point bold upper case this plasteline gets under your nails what did he say a maxwell coil was sorry no i dont smoke got a light all i know was the gibbons and how they brachiate saw the most on television where this guy tries to who got a layout on that perfume thing

manny we havin a test tomorrow in if i get through this year ill be thankful of course that doesnt include the cost of having it printed i didnt think it was as sexy as his last book that scene where she ywanna head out a few minutes early get a copper plate measuring about for next week i want you to hand in and take the last four on page you wanna walk to fourteenth i thought you lived in so far ive furnished my place by way of the automat and the sagamore hold it i left some stuff in my locker wait for me in the lobby look bill you do the thermo and let me borrow it in the morning you take the bmt its okay the bell rang wanna stop off for coffee whos takin the lex can you give me a lift to gnicht joe see ya early gnicht so long . . .





Activities

Activities Plan

At the close of each school year, while ordinary students are feverishly studying for exams, the A.A. president, Cable editor, etc. are engrossed in a mad search for money. For the past three years, their search has brought them all to the same person, the chairman of the Activities Plan. This year the enormous responsibility of feeding these money hungry mongrels fell to Murray Spector.

Spector dropped night school and immediately surrounded himself with a slew of highly capable vice-chairmen. After much horse trading, a budget was finally established based on a minimum sale of 600 A.P. subscriptions. The fact that there were to be no night school engineering graduates did not faze Spector at all. He acquired the services of a former confidence man, Fred Reiner, who in his spare time mastered the art of pick-pocketing night students.

At the end of the first week the school was flooded with posters and letters, courtesy of Norman Gordon, but sales lagged far behind the anticipated rate. During this period all the vice-chairmen proved themselves to be highly capable at restraining sales.

It was at this point that Phil Harding joined the committee. He was soon to be found pestering people all over school.

When the smoke cleared at the end of October, A.P. had its third straight successful year with 618 subscriptions. Credit must be extended to Eric Herzlich, who, because of his inherent modesty, is not pictured here. Without his vast knowledge of 2A arithmetic, the day to day record of sales would never have been known.

Even as this book is being distributed, next year's A.P. committee is organizing its plans. Without the students' sense of responsibility and support of A.P., few of the activities here illustrated could function. It is hoped that the spirit developed within the past three years will prevail in the future.



Student Council

Each year the Student Council endeavors to achieve one or two important goals. The aims of the present Council are twofold—the streamlining and practical revision of the Constitution under which we are presently functioning, and the active participation of the Cooper Union Student Council in national student government organizations, such as the United States National Student Association.

We have been operating inefficiently under the present Constitution since the Spring of 1951. During the ensuing time, the Council has been impeded by numerous shortcomings and loopholes in this, the foundation of our student government. The aid of the Judiciary has been enlisted to interpret the fundamental ideas and re-express them in lucid, unequivocal language. The result of this work will certainly enable future Councils to conduct business efficiently and efficaciously.

In comparison to other colleges and universities, our student government is still in its adolescence. There is much that can be learned through the medium of a national organization expressly founded for the dissemination of vital information concerning student-campus problems. Aside from governmental maturation, The Cooper Union, by its association with other schools, will gain in national stature.



Social Activities Committee

Carrying on in the tradition of the SAC, Larry Kittiver was able to introduce sex into the life of the average Cooper ascetic. A large measure of the SAC's success this past year was due to the efforts of Walt Schwartz, Tony Merlo, and Irv Silber.

The Fall season was initiated with a highly successful Halloween Square-Dance at Tom Mooney Hall. The Snowball Festival and The Reindeer Romp followed, ushering in the Holiday Season in grand style. At both these dances Arlington Hall resounded to the strains of Manny Ortega and the Cooper Union Band. All present were properly imbued with the appropriate spirit, both Christmas and bottled in bond. The results were hearty Christmas carols, wild dancing, and headaches the next morning.

In response to the Square-dancing craze (few Coopies can dance much else), the Rustler's Roundup, featuring real live square music provided by the Outlaw Three, was held early in the second semester.

The success of the SAC's efforts were attested to by the multitudes of contented Coopies who attended each one of the affairs.

Athletic Association

The Athletic Association was organized to provide the student body with a well-coordinated sports program. Anyone experienced in conducting student groups would have been amazed at the orderly procedure of the meetings. Ken Ozer quickly discovered that Robert's Rules of Order were inapplicable and substituted his own. Flexing his muscles at the cowering Governing Board he orated till he felt that his opinions had been amply expressed. A dissenting majority vote was always met with the discovery that a quorum was not present.

Strangely enough this system proved quite effective. A.M.S. was quickly put to shame when they made charges of corruption in the Intramural Volleyball Tourney. Ken vindicated referees Warshauer and Straka in short order. He was moved almost to tears by the slur on the integrity of A.A. members.





Athletics

Basketball

It was six seasons ago, in 1948, when Dave Tobey took over as coach of the Cooper Basketball Team. In those days the Pioneers scheduled such teams as St. John's Pharmacy, Brooklyn Pharmacy, Columbia Pharmacy, and Julliard School of Music.

Times have changed. This season the Varsity scheduled Columbia Pharmacy again, apparently out of sentiment, or perhaps just to give the second string a chance to work the ball.

In the matter of whether or not this was a successful season, the reader is a good deal better informed than we, since this is written while the season is but half ended. We do know that the team has won a thrilling Parents Night Victory over Hunter, and that it lost two games in overtime by one or two points, so that the year can hardly have been considered to be dull. But the matter of a successful season cannot be told by the mere tabulation of points, for and against. This is the toughest schedule the varsity has ever faced, including Hartwick College, Brooklyn College, Queens College, Kings College, Brooklyn Polytechnical Institute, New Britain State Teachers and Baltimore University, with hardly a breather from beginning to end. Whether we have won or lost (and we have won our share) is not nearly as important as the spirit in which the games were played. Games which are lost by one or two points (and we have lost our share of those, too) are lost only because the opposition scored a goal more, not because they played any harder or better. Cooper teams played the best they knew how every second of every game they played, and no matter what their record, it is something of which they can be justifiably proud.

BASKETBALL TEAM 1953-54 RECORD

	<i>C.U.</i>	<i>Opp.</i>
Alumni	80	70
Brooklyn College	64	83
Rutgers University	75	66
Towson St. Teachers	81	62
Philadelphia Textile	69	59
Baltimore University	66	71
Broome Tech	84	73
N.Y.S. Maritime	53	55
New Britain St. Teachers ..	71	80
Hunter College	62	60
Pace College	69	70
Columbia Pharmacy	76	45
Kings College	73	75
Pratt Institute	84	97
Hartwick College	87	76
Brooklyn Polytech	78	82
Stevens Tech	63	71
Queens College	71	73
Yeshiva University	82	76



Volleyball

The Volleyball Team, under the inspired leadership of Mr. Zarchen, got its campaign successfully under way by beating McBurney YMCA, winning three games to one. Cooper's Netmen showed superior spiking and excellent defensive tactics in their first few matches. The loss of three of last year's starters doesn't appear to have affected the team very much, and it is looking forward to a fine season.

Two trips are scheduled for the team. One is to Boston where several colleges are to participate in a meet. The other is to Binghamton for the Eastern Intercollegiate Volleyball Tournament. If everything turns out well, the Coopermen should take first place in both tourneys.

A bright future awaits this year's team, since there are no seniors and only three juniors on it. The other members, mostly sophomores but including some freshmen, will provide a core of seasoned players for next year's team.

Intramurals

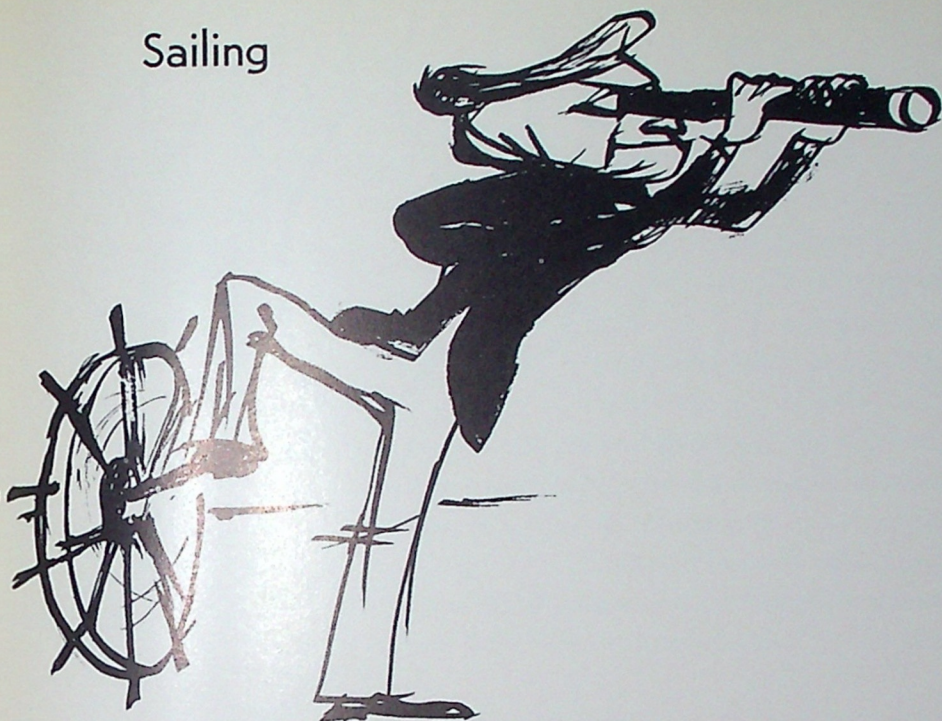
The purpose of the Athletic Program at Cooper is to provide those students who lack varsity ability with the opportunity to indulge in organized athletics. To this end, the Intramurals have been organized.

Considering the limited time available, a wide variety of sports are available. Group participation sports offered include volleyball, bowling, basketball, and softball. The individual sports sponsored are table tennis, handball, and swimming.

The past season was highlighted by the victory, for the second successive year, of a freshman section in the Volleyball Intramurals. It would seem that Professor Hollinger's volleyball instruction to the freshmen has something to do with this feat.

The winner in the Fall Bowling Intramurals had to be decided in a playoff between 3DCE and 3DEE.

Sailing



The Cooper Sailors showed a tremendous improvement over last year, when they placed last in every meet of the fall and spring seasons. This years events placed them:

1. Third out of three.
2. Third out of six.
3. Sixth out of eight.

4. Tied for first against the Alumni. This was the first time they had not been beaten by their own Alumni. Five heats produced the tie.

5. Third out of three in the Weekend Traditional for the Tom Seldorf Trophy. Webb, Vassar, and Cooper competed and finished in that order.

After this fall's promising showing, the team is looking forward to the spring with great expectations to the fruits of their increased experience.

Fencing

In a world apparently dedicated to assembly-line gore, swordplay has lost its original punitive meaning. However, the art of Cyrano is being preserved here at Cooper by a small, exclusive group: The Fencing Team.

Steeped in the romantic tradition of *le code duello*, the members of the abovesaid society forgo the pleasures of homework in order to spend their Monday and Thursday evenings at their *salle de arms*—the Church of All Nations. On such nights, the sound of steel meeting steel echoes through the hallways as the disciples of d'Artagnan execute the complex movements of the almost lost art of fencing.

The reward for the many nights of strenuous practice comes in February, when the team that will participate in intercollegiate competition is chosen. The Cooper Union Fencing Team is ready. *En Garde!*



Bowling



Due to the loss of some men at the beginning of the season, the keggers did not fare as well as was anticipated. Bowling in a league which was much stronger than in previous seasons, the team showed much spirit, as was evidenced by the fact that they were shut out only twice.

Captain Ken Ozer and his stalwarts showed improvement from week to week and managed to upset each of the league's leaders in at least one game.

Highlighting the season were Pete Snoek's 265 game and the engineering of the first defeat handed to first-place Farleigh Dickinson, after twelve straight wins by the New Jerseyites.



Rifle

Although only one man from last year's squad graduated, the Rifle Team, led by Captain Jerry Field, was not duped into drastically improving its record. It maintained its usual standing. Four men — Norm Becker, Bill Elhoff, Jerry Field, and Bob Skowronek — graduate this year, providing a great opportunity for next year's squad.

At Green Camp the Riflemen improved on last year's record by adding the activity of cabin-building to its usual list of Gano Dunn Match, Venison Dinner, and camp trips.

JV Basketball

The Junior Varsity Basketball Team, under the able direction of Mr. Zarchen, has just begun its third season. Although the records of the first two seasons are not spectacular, the J. V. has accomplished its main purpose, providing experienced ball players for the varsity. In the past two years players like Bob Kohrs, Arnie Kaminer, Frank Leccese, Dick Lent, Danny Gott-helf and Dick Lytle have moved up from the J. V. to the varsity. In fact, Roger Sadler, who has averaged 25 points a game for the first three J. V. contests this year has already been taken by Mr. Tobey to work with the senior organization. As varsity ballplayers keep graduating, the J. V. will have to continue supplying more and more material, which means that Mr. Zarchen will invariably have to start with a new club each year.

There is a good looking season ahead both for the record and turnout of varsity stuff. Once Jack Kahrs and some of his freshman team members get some experience, they will be quite valuable to the school's basketball hopes.

Cheerleaders

"Cooper Union, Fee Fi Foh, Will we win? How should I know."

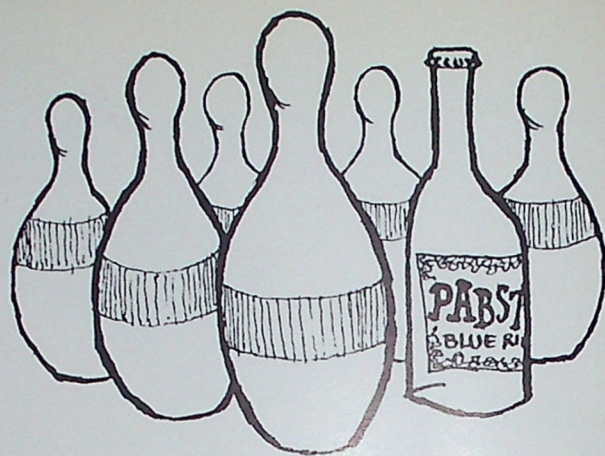
Cooper's winsome cheerleaders, Adriene, Arlene, Sheila, Edith, Jeannette, Joan, and Eleanor had a large share in fashioning the basketball team's fine record this year. Starting the season in new, ever briefer uniforms made by themselves, their infectious enthusiasm inspired both the players and the audience at every contest.

Their team spirit rose to such heights, indeed, that when the team made a weekend trip to Philadelphia and Baltimore, the girls went along at their own expense, staying in a different hotel.

The six girls represent six different styles of beauty, which enables them to form interesting patterns on the gym floor. Such imaginative cheers as "The Locomotive" and the "Indian Cheer" have the result that the spectators come as much to see the cheerleaders as they do to see the game.



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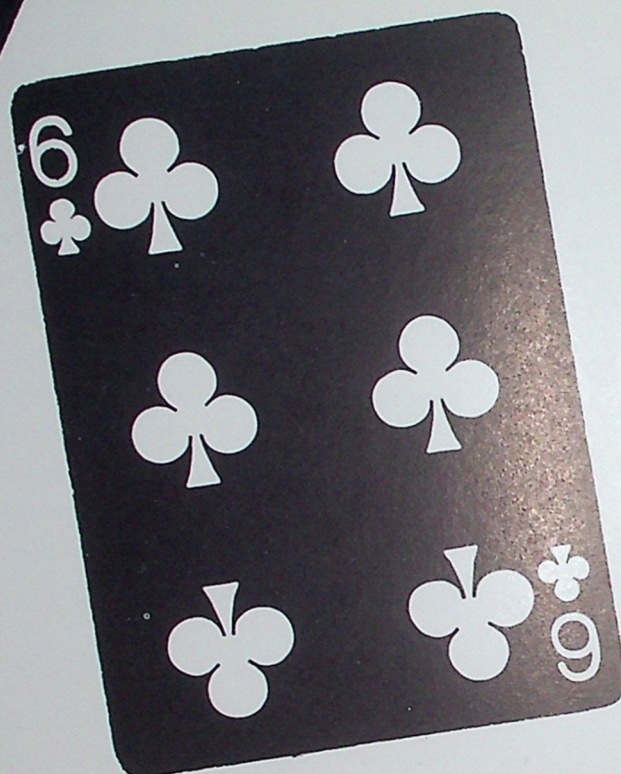
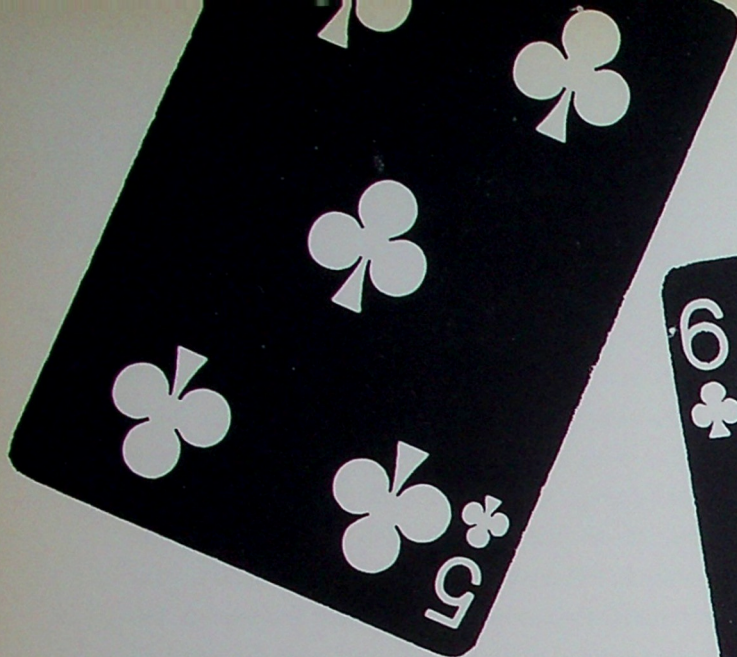
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Clubs

Humanities

The Humanities Club continued, during its fourth year, to present programs for the school as a whole to supplement the classroom teaching of the Humanities. The Fine Arts Committee presented a survey of music and arts by means of records and slides from the twelfth century to the present. The Film Group presented a very popular series of films that were off the beaten track, a sort of small Cinema 16. The Dance Committee continued with its supervised program of modern dance instruction and participation, and the Social Philosophy and Literary Groups had programs of guest speakers and seminar discussions with exchange students.

Newman

The Newman Club is a club for Catholic students in Cooper Union. The purposes of the organization are both social and spiritual. The club meets at least once weekly and carries on an active program of panel discussions, group discussions, student lectures, and lectures by the clergy. A series of talks on the "Christian Marriage" was given this year by the club chaplain, and they turned out to be extremely interesting and informative. Social activities included dances both at Cooper and at other Newman clubs, communion breakfasts, and the regional Newman Club Province Convention held every other year in February.

Protestant

The Protestant Club is an organization open to all students regardless of religious denomination. It is a religious, educational, and social club that meets throughout the academic year, usually biweekly. The primary purpose of the club is to bring the members closer together spiritually by gaining understanding of the different denominations and by social affairs with similar groups at local colleges.

IZFA

The Cooper Union chapter of the Intercollegiate Zionist Federation of America was founded in 1949 for a group of students interested in Zionist activities. In 1951, the group expanded its activities to include those of general cultural and religious interest to Jewish students in The Cooper Union.

The year's activities have been both social and educational in nature. Lectures and discussions have been led by speakers both from within the Cooper Union and outside sources and by students. Social activities have included Israeli song-and-dance sessions, gatherings on holidays and religious occasions, and affairs with other college groups.



Dramatics

The Cooper Union Dramatic Club, an integral part of the Humanities Department, caters to the Jose Ferrers and Geraldine Pages of tomorrow. Thanks to the club, both Art students and Engineering Students have the opportunity to express themselves on the stage of the Great Hall, where all the student productions are given.

The club gives two productions a year; one in the Fall and one in Spring. Eight to ten weeks of rehearsal go into each production. There are usually two performances given of each play.

Up until the Spring term of 1954, the Dramatic Club had been in the capable hands of Professor Richard S. Bowman. Now that Professor Bowman has taken a leave of absence from Cooper Union, the club is working with a new director and producer, Mr. John Hurd. Mr. Hurd comes to Cooper from the Brander Matthews Theatre at Columbia University. His first production at Cooper was "The Crucible".

In the Spring of 1953 the club presented "The Happy Time", a three-act comedy by Samuel Taylor. The production was directed by Professor Bowman and Martin J. Charnin. The Fall production was entitled "Interiors", and was comprised of three one-act comedies by James M. Barrie, Susan Glaspell, and Lord Dunsany.

There are many opportunities for Cooper Union students interested in the theatre to find work with the Dramatic Club. Positions range from acting and stage-managing to publicity work.

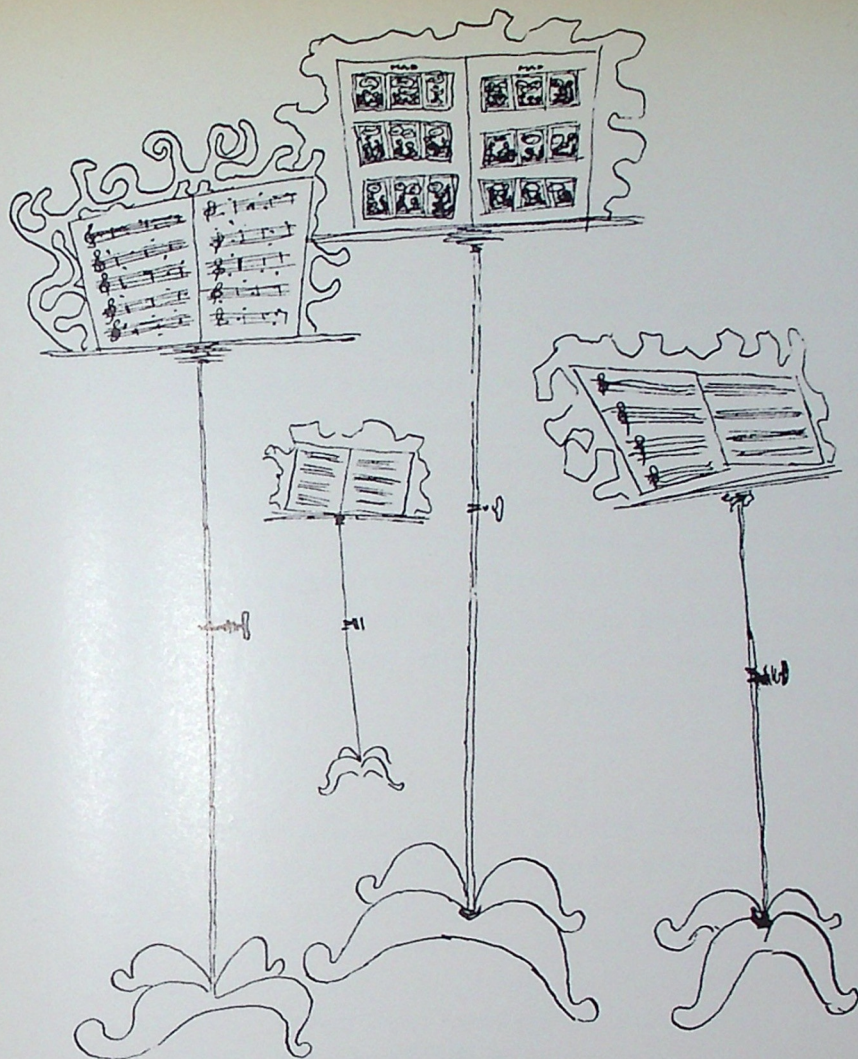
The Great Hall stage, which at first seems a tremendous obstacle to any production, soon becomes an interesting and creative organ for set designers and decorators to work with.

To the students of the Cooper Union, the Dramatic Club offers a great outlet for any suppressed desires and mental blocks one may acquire from not being able to get into a school play in high school. No acting experience is necessary for one to join the club.

"All the world's a stage . . .

And the stage,

Is the world of entertainment".



Orchestra

It is seldom that an organization is improved by losses through graduation or otherwise, but the orchestra achieved this dubious distinction. It was bolstered by a score of innocents who came from C.C.N.Y., Brooklyn, and the Unemployment Bureau to "make music", and who were under the impression that Manny Ortega was David Broekman and that Room 203F was the Great Hall.

Thanks to the diligence and hard work of a few, the guidance and loan of his saxophone by Prof. Wallace, and in spite of the loss of both maracas, the past season was highlighted by;

scattered applause at some of the dances.

a rehearsal in the Great Hall late one Wednesday night. No one came to listen.

an expression of interest by the Hunter College Senior Prom Committee.

an offer by the night elevator operator to "show you guys how to play the sax".

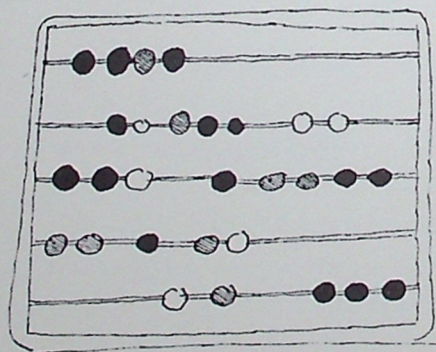
Chess



Despite the handicap of having to engage in a pitched battle with the squatters in the pioneer Office every Friday for the possession of its chess boards and pieces, the Chess Club enjoyed a highly successful year in which more people joined than quit. The Fall single-elimination tournament was featured by Larry Block playing six matches and not getting past the first round, and Bohdan Andrushkiw winning without playing a game. No one bothered to show up.

The Chess Team had a fine record in intercollegiate competition, losing only to City College. Although it is losing such stalwarts as Block, Kahn, and Lippmann this year through graduation, it can look forward to one of its better seasons.

Math



The Math Club this year took a bold step in its headlong departure from tradition. Originally, it was a seat for erudite discussions by the upperclassmen. The freshmen could not comprehend, so they drifted away from the group. When the upperclassmen graduated, the club collapsed.

A new club was built up, with lectures planned to be within the grasp of freshmen. But the society seemed doomed to extinction. At the beginning of this year only one member was left. The incoming freshmen were interested enough to reform the Math Club. All lecturers and officers were freshmen. Nearly all members were freshmen, too, and the discussions are now beyond the comprehension of the upperclassmen.

Table Tennis

The Table Tennis Club consists of a number of enthusiasts of the sport, possessing varying degrees of skill. On a Friday afternoon the gnip-gnop players can often be found searching the myriad niches of the basement in hot pursuit of their only ping-pong ball.

Hiking

Away from the hurly-burly of the city into the squirrelly serenity of the country-side goes the Hiking Club, answering the call of nature. In the past year, under the leadership of Phyllis Carey, George Fischer and Don Cotten, many an interesting trip resulted from investigating this mysterious beckoning.

Up the Passaic River in a canoe, through Sea-cliff, Long Island on a bicycle, camping in the Catskills, rock climbing on Breakneck Ridge, horseback riding, and hiking in the moonlight (with Queens College), through the Indian Caves at Inwood Park, spelunking in underground caverns, tramping around Bear Mountain, up "Anthony's Nose" and along the Cannon Ball Trail, always moving onward into new adventures, that was the Hiking Club.

The home of these "noble savages" is on Cupsaw Mountain, from which once a year they tramp down and invade Green Camp's Country Club. When at home, they eat, argue, solve puzzles, paint pictures, and on boisterous occasions, dissipate their effervescence in construction of their auxiliary log shelter.



Ex Post Facto

At a well attended meeting of Ex Post Facto, a motion was unanimously passed to award honorary keys to Dean Roemmele and Professor Wallace in appreciation of their active interest in the Cable. Thanks to their efforts and the generosity of the Senior Class of 1953, the Cable Office now has a typewriter that works, new steel furniture, an electric clock, and most important, adequate lighting.

At another such business meeting, ten new members, Arnie Arlow, Morty Lippmann, Irv Gruverman, Bob Alwitt, Ed Drogin, Herb Rosenthal, Tony Merlo, Murray Spector, Julie Franklin, and Pete Straka were unanimously elected to membership, increasing the active membership eleven-fold.



Lambda Tau

The Lambda Tau Fraternity is the honorary organization of ex-editors of the Pioneer, of which there is always a plentiful supply. Their chief function is to clutter up corners of the Publications Office with their private affairs, mooch cigarettes from the glassy-eyed incumbents, and offer destructive criticism. Lambda Tau members are also known for suggesting violent editorials, generally embodying pet hates that they would have liked to air when they were in office, but dared not.

A rather loose organization, Lambda Tau holds occasional meetings to which nobody comes, goes to Green Camp in company with a lot of outsiders, and brings its friends into the Pioneer Office for chess, political arguments, and homework.

In the coming twelve month, Lambda Tau expects no changes in its format, for the graduating members will be replaced by others at least equally apathetic.



And now the day is over;
and now the tables at Coscia's
and Sagamore's
are scrubbed down,
the chairs upended, the lights put out.
The last cup is drained;
the last cigarette snubbed out.

The groups of students pass once more
the great brown building, silent now, in dark
The day is over.

.... And some will wonder,
some will calculate the profits
and the losses of that day,
and wonder if they gained or lost.



The Graduates



ALEXANDER J. ADAMS

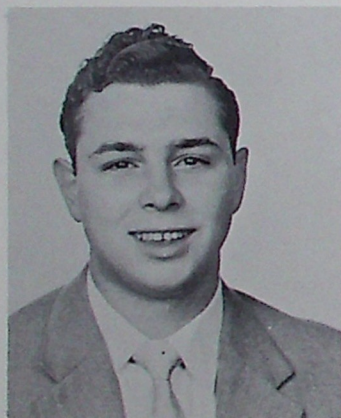
21 Arden Street, New York. CE
Reticent "Ace" is truly one of the most industrious individuals in the CE crew. His outward austerity is greatly relaxed however when in attendance at any ODP social function. He is both an authority on the science of map-making and the last of the Cooper Association of Ammann and Whitney Insultants.

PETER M. ADLER

1 Stuyvesant Oval, New York.

F&GA

Among other things Pete is known for his trips to the bowling alleys of Sloatsburg at two in the morning. A veteran of both Day and Night School, he recently resolved his aesthetic difficulties—make money.

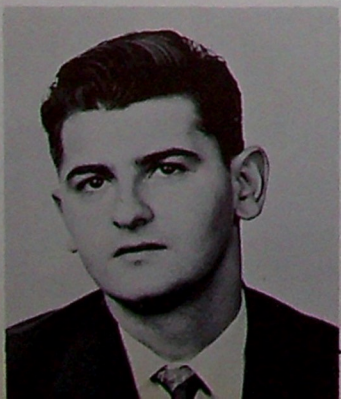


ROBERT E. ALLOCA

2173 East 36 Street, Brooklyn. ME
With his curly hair and dimpled cheeks, "Bobba" was one of the cutest boys in his class, an opinion in agreement with that of his fiancée. Bob was a member of ASME and the intramural bowling team.

ROBERT S. ALWITT

2769 Sedgwick Ave., N. Y. ChE
Quick-witted Pioneer Business Manager, Bob belonged to that small group who kept Cooper's publications going, despite such annoyances as Unit Ops. reports. He claimed photography as his hobby, but could often be found playing in the Orchestra, or browsing through the Whitney Museum.



MARVIN AMES

1577 St. Marks Ave., B'klyn. CE
Among Sim's attainments at Cooper were grand rulership of LSK, presidency of Chi Epsilon, and membership in TBP. A young lady named Laura and an amiable grin will undoubtedly make the ingredients for a promising future.

ANDREW F. ANDERSON

437 East 23 St., Paterson, N. J. CE
Join us in toasting the ONLY night
engineering student to be graduated
in 1954: Congratulations, Andy!



BERNARD M. ANZEL

353 Cypress Ave., New York. EE
"Neurot" was the terror of instructors
who followed the book. Engineering
texts were exposed as hotbeds of
error and confusion when Bernie sub-
jected them to his brilliant scrutiny.
Everybody who wants to keep him
on the job should buy Christmas seals.

ARNOLD J. ARLOW

36 Bay 32 St., Brooklyn. F&GA
"I'd love to come back and lecture,
Prof. Dowden, but I'm free lancing a
twenty-page, full color spread in
"Life", and with my left hand I have
to finish my last painting for my one-
man show at the Museum of Modern
Art. I'll try to make it."



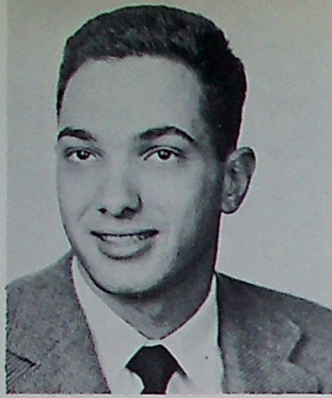
NORMAN BECKER

2934 West 21 St., Brooklyn. ME
Famous for his shirts and ties, Normo
was the coolest cat in the class, one
of the crack shots on the Rifle Team,
and Vice-President of AA. He also
managed to acquire a reputation as a
mambo expert. "Well? Here I am!"

LESLIE M. BERLOT

92 Second Ave., New York. ME
Les lived practically across the street
from school and thus sometimes was
early to morning classes. Besides his
musical activities on the guitar and
piano, Les belonged to ASME, AMS,
and folk-song group in Cooper.





JOSEPH T. BERNSTEIN

300 Glen Ave., Short Hills, N. J.
ChE

Joe's Cornell-bred calm and quiet tact forestalled many imminent drownings in Unit Ops. Lab. One of the talented few able to restrain Leo Gabay, he contributed some measure of sanity to the inner circle of the Black Hand.

ROBERT A. BIRMELIN

65 Ridge Ave., Bloomfield, N. J.
F&GA

Bob is a serious student whose tenacity in seeing things through to the end will stand him in good stead. In Bob it is the quality of perseverance which will carry him to his goal in life.



PAUL J. BLAKE

627 Delaware Ave., Ridgewood,
N. J. EE

P.J.B. is probably a banker or lawyer in disguise. He gave himself away when he submitted his Civilization term paper in the AIEE contest. Banker or not, he still managed to get elected to TBP.

LAZARUS M. BLOCK

334 Eastern P'kwy, Brooklyn. EE
The formation of the EE squad of Larry Block, Herbert L. Kahn and Murray Spector was inevitable, for not only are all three former Editors-in-Chief of the Pioneer, but they are all uneasily conscious that doom is lurking just over their shoulders. Larry is the one who has a girl-friend, Art school graduate Barbara Bland. He is an LSK man, and (Cont. under Kahn)



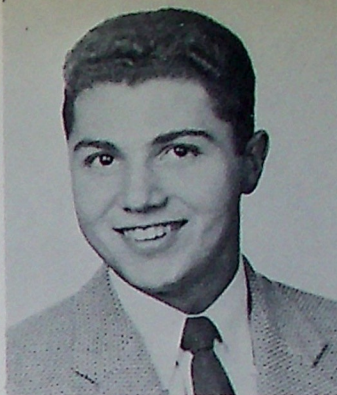
KARL H. BOECKLEN

237 East 35 St., New York. Arch
Karl is one of those congenial personalities with whom we do not come in contact very often. In addition to being jovial and good-natured, he is a hard and studious worker.

DONALD A. BOLOGNESE

4065 Carpenter Ave., N. Y. F&GA

There are just about as many facets to Don's character as there are ways to pronounce his name. At various times he has been described as comical, serious, sarcastic, sympathetic, cheerful, and drunk.



ERNEST O. BOSTROM

50 Franklin St., East Orange, N. J.
Arch

Ernest's exceptional ability for design and novel approach to architecture, combined with a personality which is capable of inspiring confidence the moment one meets him should, we feel, take him far.

DAVID A. BRAY

127 Parkside Ave., Brooklyn. ChE

Dave is an unassuming fellow who, in his third year, eluded the clutches of SKT, the nefarious local chapter of the Black Hand Society, by going steady and doing his own homework.



JOSEPH A. BRAZINSKAS

146 S. Broadway, Yonkers. Arch
Joe was an architectural student of exceptionally high capacities. His warmth and dry humor, seriousness and persistency have combined into a genuine individuality.

GEORGE B. BROSKY

70-30 66 Street, Glendale. CE

George, the vocal member of the Brosky-McCabe combine, has passed many of his more pleasurable hours at Cooper distilling cheer in the rooms of ODP. Inasmuch as he has already established a reputation as a "big field man", especially on the transit, his future success should be assured.



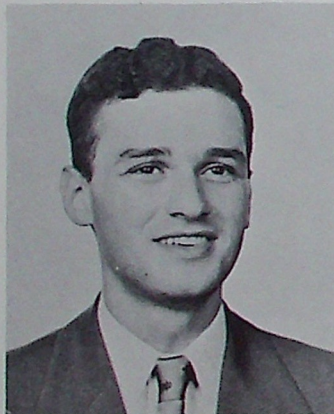


ROBERT W. BUECHERT
1579 Summit Ave., Hillside, N. J.
F&GA

Bob is the man who used his time at school to practice being a successful advertising manager. Coming in from Jersey City every morning at a time appropriate for an executive and looking the part well, he fired three of his instructors in his last week of school.

BERNICE H. BURLAKOFF
2361 Coney Island Ave., B'klyn.
F&GA

Bernice epitomizes that old adage which we have clutched to our bosoms for these many years: "The secret of success is constancy of purpose."



HERBERT CAHN
545 West 164 St., New York. ME
The engineers' "number one man" is a pillar of strength in kinematics and other fascinating subjects. A good classmate with a quick wit, President of ASME and IZFA, Vice-President of TBP and PTS, the sun never sets on Herbert.

RAYMOND A. CARDONNE
305 Frederick Ave., Bellmore. ChE
Obsessed with the strange desire to graduate in four years, Ray divided his thirty-one hour day between day school, night school, and part-time work in Wanamaker's. He commuted from his home in Bellmore, managing on alternate Thursdays to sleep during the three-hour ride, and dream of un-attended SKT parties.

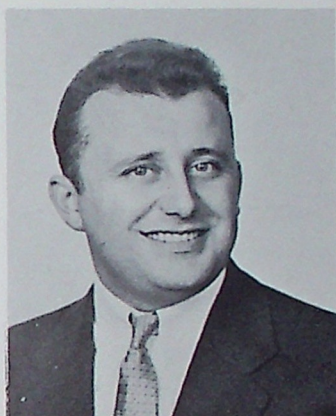


PHYLLIS CAREY
157 Grant St., Hayworth, N. J.
F&GA

She could be seen any day busily and conscientiously attending to her duties as President of the Hiking Club. A generous person, always willing to help, Phyllis has the capacity to organize well and accomplish what she sets out to do.

ISABELLA CASACELI

426 East 9 St., New York. F&GA
Modest and unassuming, Isabella is a sincere person who imbues all her work with an intensity and honesty that is rarely encountered. She is a fine artist in both purpose and practice.



EMIL J. CHECCHI

647 East 14 St., New York. Arch
A man with craftsmanship in his hand, ambition in his heart, and a sense of humor to lighten the way, he will achieve desired success.

ELAINE R. CHIONCHIO

88 Bay 19 St., Brooklyn. F&GA
During her three years she tried to convert Cooper Union with her religious art—but every time she fluttered those big brown eyes there were ten more sinners.



DORIS A. CLARK

16 Banta Place, Bergenfield, N. J.
F&GA

A keen, intelligent mind makes Doris outstanding in her work. An active member of the Hiking Club, she is a great lover of nature and the outdoors.

DAVID R. COOPER

283 Eighth Ave., Paterson, N. J.
Arch

Dave looks like a fullback, but he's really a bright young city-planner and serious student of several non-architectural pursuits. In his spare time he does fashion modeling for Dr. Zucker.





ARTHUR H. CORWIN

305 East 10 St., New York. F&GA
 . . . furnished his apartment from
 garbage pickings, owns a cat factory,
 smokes KOOLS, and is best known for
 his ventilated footwear.

JOSEPH M. CRIVY

964 East 27 St., Brooklyn. F&GA
 Quiet, contemplative, pensive, retir-
 ing, shy, thoughtful . . . and you be-
 lieve this ? ?



JOAN A. DAIZOVI

7301 Hudson Blvd., North Ber-
 gen, N. J. F&GA

Joan is known in the night School by
 her flashing eyes and gentle smile.
 In the daytime however, she is a very
 serious gal. "I'm painting!"

DAVID DAMBOWIC

21-15 34 Ave., Long Island City.
 Arch

Admired by all for the neatness and
 intensity with which he pursues his
 work, Dave carries this same care into
 his general appearance. He is best
 known for having a prolific imagina-
 tion, and a personality well-liked by
 everyone.



FRANK DAUTILIA

152 Monroe St., New York. Arch

Frank is one guy who would succeed
 at anything he undertook and the
 world of architecture may be proud
 to claim him. With a smile that could
 charm an oyster out of its shell at
 sixty paces, he goes through the
 women of New York like a devouring
 flame, although his action is in gen-
 eral not so destructive.

JERRY P. DAVIS

155 East 2 St., New York. ChE
Known for his instantaneous and vociferous debates with instructors, Jerry was often found, long after class had ended, happily scribbling equations at the blackboard. This habit earned him chalk-stained fingers, TBP membership, off-season Florida suntans and a fiancée.



RAYMOND J. DE LUCIA

846 41 St., Brooklyn. Arch
His architectural and athletic prowess are often hidden by his quiet, conscientious, and friendly attitude.

PASQUALE G. DEL VECCHIO

1242 Commonwealth Ave., New York. F&GA
Overheard at the Art Director's Club—
"Look man, I dig this Picasso cat the best, but I feature Rudy De Harak the mostest."



JOAN M. DONAHUE

163-25 98 St., Howard Beach.
F&GA
In her seemingly quiet and diligent manner, Joan accomplished much in her three years. This despite being the fourth member of a terrible trio.

EDWIN M. DROGIN

1974 60th St., Brooklyn. EE
A poet and dreamer, who always sat up front during civilization lectures, Ed was also a firm believer in psychological conditioning. Muttering, "this problem is trivial", he would proceed to hand in the solution on the back of a three-cent postage stamp. This procedure never earned him spectacular marks.





WILLIAM C. ELHOFF

164 Martense St., Brooklyn. EE
This active member of ODP sparked many an opening address of AIEE-IRE. His exploits with the Rifle Team have caused many a freshman to shoot at his position. His main ambition in life is to trade in his '50 Caddie convertible for a '54.

LEON EPSTEIN

640 Adeo Ave., New York. F&GA
Professional accountant - turned - artist, Leo aspires to be a designer and illustrator. Always smiling, always happy, and always tired, he gives credit to his wife for being able to stagger him through night school.



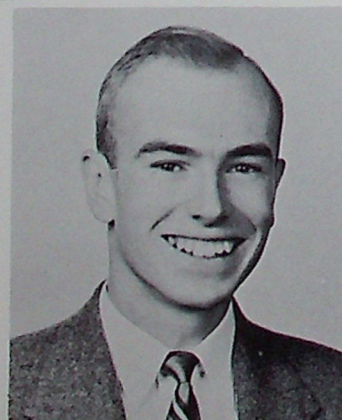
JOSEPH FEINGOLD

3100 Heath Ave., New York.
Arch

Joe will be remembered as the typical dignified junior executive. Each of his many fine personal characteristics are assets which will insure him success wherever he applies himself.

GERALD FIELD

64 Nichols Ave., Brooklyn. ME
Gerry looks as serious in everyday conversation as he does behind the sights of his rifle, but those who know him say it isn't so. He has a really keen sense of humor.



GEORGE A. FISCHER

143-14 Hillside Ave., Jamaica. ME
On occasions, George would come up from his caves, or down from Cup-saw to attend a few classes. Just to show that school didn't interfere with his hiking activities, he made TBP, PTS, to say nothing of his work for APO.

JULIUS I. FRANKLIN

102-01 183 Place, Hollis. EE

When others might be inclined to quote Luke xvii, Julie has been known to say "P35, RCA Tube Manual". He was known around school as President of the IZFA and the foremost competitor of the TV servicemen of Hollis. His skill in wiring up electric circuits amazed students, instructors, and ammeters.



JEAN E. FRASER

112 East 7 St., New York. F&GA

Jean is a gal that has successfully combined serious study with good fun. A student leader, she was elected class president twice in a row. She intends to go on to a teaching career.

MORTON B. FREIMAN

2121 Harrison Ave., New York.

F&GA

Because he hates to get up in the morning, Morty wants to do free lance cartooning. His "friends" say he's a cartoon himself.



LEOPOLD GABAY

102 Norfolk St., New York. ChE

The Greeg's invariable reaction to any event was "Shuah, I like yu style, beh . . . by." His favorite sport was collecting dance tickets from Student Relations, which occupation he abandoned only to preside over SKT, sit on the floor in class, or ride with the "Black Hand" in Unit Ops. Lab.

LESLIE W. GAGE

67-65 Fleet St., Forest Hills. EE

During his long summer vacations in the cotton plantations of Virginia, Les developed many novel views on life. We would like to print these views, but fear the Cable would be banned.





CARL W. GARBE

107 Walworth Ave., Scarsdale. CE
"Uncle Carl" managed to acquire Lynn in addition to a degree. His amiable five o'clock shadow could be found gracing ODP during his spare hours. No stranger to industry, Carl's future is a bright one. "Taxi Mister?"

LAWRENCE C. GERCKENS

541 First St., Carlstadt, N. J. Arch
To this architectural perfectionist and burner of midnight oil we bequeath a pillow-studded pencil to rest his weary head.



BARBARA P. GEWIRTZ

6420 Bay P'kwy, Brooklyn. F&GA
Our Bobby is a petite ball of vitality. She sings, paints, writes poetry, and still finds time for the Humanities Club, Dance Club, Interplay, politics, and men.

CHARLES E. GILLEN

1149 Fairmount Ave., Elizabeth, N. J. F&GA

Gilly was one of the many camera fiends that roamed the halls of Cooper for so long. His clever technique and boundless imagination will assure his success.



JOAN B. GOLD

3815 Church Avenue, Brooklyn. F&GA

Gorgeous, garrulous, gl(amorous), gregarious, goopy, giddy, and GREAT. Goldliness is next to Godliness.

CARL S. GOLDBERG

205-17 Hollis Ave., Hollis. Arch
Carl is a cosmopolitan enigma who
appears to do nothing, but much to
the chagrin of his classmates gets
everything done.



CAROLYN J. GOLDBERG

3611 Henry Hudson P'kwy, River-
dale. F&GA

There's one thing that you can say
about Carol Goldberg: She's a woman.

RONALD GOWER

307 Second Ave., New York. Arch
Cigars were in order last semester
when Ron's cat had little ones. This
event was the excuse for many weeks
of kitten showers in his tapestry-lined
Second Avenue apartment. These Bo-
hemian goings-on were not however,
reflected in Ronald's work—a careful
mixture of classical themes and mod-
ern treatment.



MARION GREENSTONE

277 Avenue C, New York. F&GA

This quiet lass is our first claimant to
fame. Even before graduation, she
had her work hung in the Whitney.
Then to keep away from too much
specialization, she wrote some prize-
winning poetry.

HOWARD J. GREVENITZ

35-44 34 St., Long Island City. CE
"Gravy's" marvelous capacity for rhe-
toric has stimulated such expressions
as "the beast", "hi girlie", "Mien
Sohn", ad infinitum. If he is as assidu-
ous in his professional career as he
is in the elicitation of ASCE dues, his
success is guaranteed.





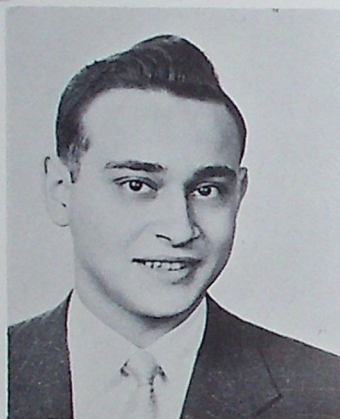
SHEILA GRUNOR

21 Corbin Place, Brooklyn. F&GA
One of the married people in the class, she finds time to knit for her husband as well as for her fine art work. Shelley has a lively personality and an intense approach to art.

IRWIN J. GRUVERMAN

1960 72 St., Brooklyn. ChE

Chemical to the core, Irv never could see the use of electricity. He passed EE Lab. with honors, however, by cooperating with Jerry Davis to the extent of electrocuting Leo Gabay. In his senior year he made an attempt to flunk out by assuming the job of Cable Literary Editor.



RAYMOND F. GUNTHER

5 Cedar St., Hastings-on-Hudson.
Arch

A sprightly lad, Ray tries valiantly to recover the trails blazed by Lewis and Clark in the wilds of the north woods.

ALVIN M. HAHN

548 Beach 67 St., Arverne. Arch

An eager young architect loquaciously argumentative in justifying the involved mechanizations in his solutions to long overdue architectural design problems.



PHILIP A. HARDING

450 New Lots Ave., Brooklyn. EE
Professor Harding's evening supplementary EE courses in the Pioneer Office soon became famous, and were responsible for guiding many of the senior class through their last year. He is a fellow with an alert, inventive mind, who blossomed out into extracurricular activities in his final year.

IDA HAUBOLD

1119 Prospect Place, Brooklyn.

F&GA

Ida is the gal who set an all-time record in refusing invitations to go on trips to Green Camp. It seems that she was a working girl. Many a heart was broken when she got engaged.



SHELDON S. HELFMAN

57 Clara St., Brooklyn. F&GA

An open locker, a home-made paint box and pallet, a pipe held firmly between his teeth, an expert at saving money he hasn't got, a quiet manner, a million lines of poetry. This is Helfman.

AARON L. HELLER

907 Linden Blvd., B'klyn. F&GA

Aaron exhibits an intensity and mysticism that have produced a boldly conceived art, always distinctive and sincere. His poetry has the same character. He is known also for that "Italian-style" haircut and that "crazy" red sweater.



SHELDON HELLER

683 Stone Ave., Brooklyn. EE

Skip was so popular that he was held over at the special request of the Physics Department. He utilized the resulting spare time to become President of the Student Council. He is also a member of the famous Heller and Ehrlich firm of consulting engineers. They'll consult anybody.

LAWRENCE F. HERTE

2066 33 St., Long Island City. ME

We must all thank Mrs. Herte for sending her husband through Cooper. It is not every scholarship that provides a loving wife as an added attraction. Larry was in the Newman Club, APO, and ASME.





LUBOSLAW HUCALUK

271 East 156 St., N. Y. F&GA

Lubo is really the "Ivory Tower" man in class. He is sometimes known to get lost in his artwork for months before coming up for air. Who needs air?

DONALD J. IFSHIN

1322 St. Marks Ave., B'klyn. ChE

Having clued the Greeg that it was safe to rise from the floor, the Black Hand's Chancellor of the Exchequer puzzled happily over new and inane ways of doing as little work in as much time as possible.



WALTER A. JOHNSON

2006 East 177 St., New York. EE

Percy is a man of indomitable will, who thinks nothing of plunging into a thirty-hour calculation. In class, when the teacher hears in a high nasal tone: "I don't think that's quite right," it isn't.

HERBERT L. KAHN

217 East 176 St., New York. EE

(Cont. from Block's blurb) considers himself a student of the game of basketball. Herb has led a stormy life at Cooper, starring for the Dramatic Club in his first sophomore year, and panning it in the paper in his second. His articles have gotten him into trouble with such varied sources as the N. Y. Times, the Student (Cont. under Spector)



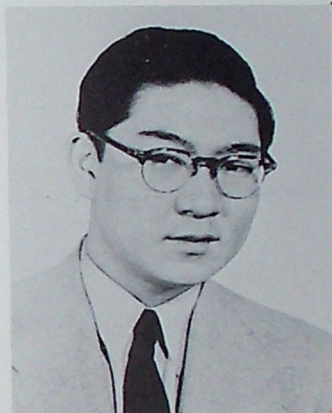
JUNE D. KARLSENG

4535 220 Place, Bayside. F&GA

When you first meet June you are struck by her bubbling, vivacious personality. She is an honest, meticulous student of the fine arts. Her greatest interest however is Alex, her husband.

GIDEON KANNER

233 Harrison St., Passaic, N. J. ME
Always dressed like an ad from "Esquire", Gideon managed to finish Cooper in four years, find time to head the Debating Society, attend three other colleges, do things in ASME, and woo a beautiful girl from Connecticut.



JOHN M. KASHIWABARA

43 Avenue C, Bayonne, N. J.
F&GA

His gentle and quietly persevering nature accounts for his having accomplished so much at Cooper. John is not only a sensitive graphic artist but also a skilled poet and violinist. His sincerity, sympathy and understanding are unmistakably "John".

AARON S. KESSLER

401 Thatford Ave., Brooklyn.
F&GA



NORMAN KLEBANOFF

142 Sutter Ave., Brooklyn. ChE
Norm, who can't swim, avoided Unit Ops. Lab. by attending AIChE conferences. Then, not content with this, he ran a few of his own. In his spare time he attended class, amazing all with his loquacity. This quality he carried over into the affairs of SKT, where his earchewing exploits are well remembered.

SANDRA L. KLEEMAN

15 Varet St., Brooklyn. F&GA
Sonni is Cooper's little demon. Her "putty cat" nature shows itself in her painting. She divides her time among schoolwork, modern dance, dramatics, the Humanities Club, and letters to her engineer.



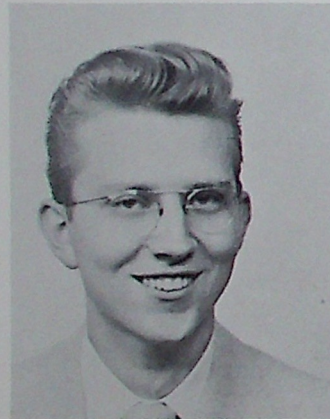


EVETTE S. KLIPPER

1750 East 10 St., Brooklyn. F&GA
A mischievous pixie face and spirit will make Evette well remembered by her classmates. She is an excellent painter and a talented violinist.

JACOB N. KLUGER

1011 Avenue O, Brooklyn. ME
Remember when Jake fell asleep in Mr. Chi's Physics class? The ME's fair haired boy (elected President of the Freshman class in a notable coup) was the center of numerous incidents of that sort. Four years at Cooper don't seem to have touched him very deeply.



JOSEPH S. KONOPKA

558 Jersey Ave., Jersey City, N. J.
F&GA

Joe, one of Cooper's quieter students, did not take to the modern trends at first, but now is right up there with the best of them. He expects to go places in the field of scenic art.

LILA M. KRONSTADT

2001 Avenue P, Brooklyn. F&GA
A studious lass name Lila haunts the galleries as much as the studios of the school. That's why her work is so interesting and original. Her pet peeve is getting stuck in the subway rush with a box of loose paint jars and a couple of large illustration boards.



WILLIAM E. KRUSE

150-11 Tenth Ave., Whitestone.
CE

Willy, a CE from his earliest recollections, is confidently at home on the "high steel", but neither his interests nor his talents stop there. He writes, drives the most ancient Ford known to man, and leads the class in everything from dancing to digging.

THADDEUS E. KUSMIERSKI

55-20 Van Cleef St., Corona. Arch
With a narrow tie on his chest and a
guitar under his arm, Tek goes
through life carrying a non-sacred at-
titude in his mind and segments of
spheres and dodecahedrons on his
drawing board.



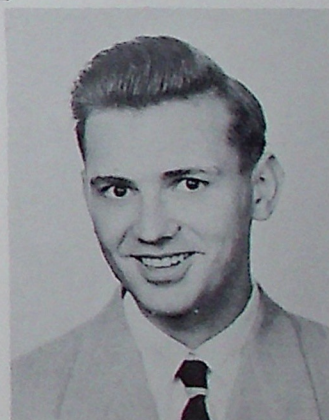
MARVIN I. KUSSOY

577 Empire Blvd., Brooklyn. ME
Marv stumbled through school with
madrigals in the background. He was
President of the Humanities Club,
Editor of Interplay, and lover of mu-
sic. In fact, his engagement gift was
a lute.

JAMES LADSTATTER

5409 80 St., Elmhurst. EE

On Friday mornings the cry was
raised: "Has Jim done the problem, or
is it impossible?" Tau Beta Pi's prize
member has the winning combination
of a fine mind and bulldog tenacity,
with which he can worry any prob-
lem to a frazzle.



JOSEPH W. LECHLEIDER

60-11 Menahan St., Ridgewood.
ME

Icky Goo was "cool cat" No. 2 of the
ME class. A real connoisseur of beer
and colorful suspenders, he divided
his time between PTS, ODP, and a
crusade against people who made
chalk screech on the blackboard.

SEYMOUR LEICHMAN

2147 73 St., Brooklyn. F&GA

There was a rock in the middle of the
sea—around it swirled the waters,
above it blew the tempests—yet, ser-
ene was he who sat upon the rock
and laughed at all this turmoil.





GRACE V. LEROY

19 Southwood Arch, Syosset.

F&GA

Grace is a challenge to the old belief that woman is the weaker sex. Forthright in her beliefs, her purposefulness is reflected in her work. A fine artist by choice, she is happy in her work.

NAOMI R. LEVY

2065 St. Raymond Avenue, New York. F&GA

Nicky has a sparkling wit and a word for everything. When she looks very proper, she's usually up to some mischievous prank.



EUGENE B. LION

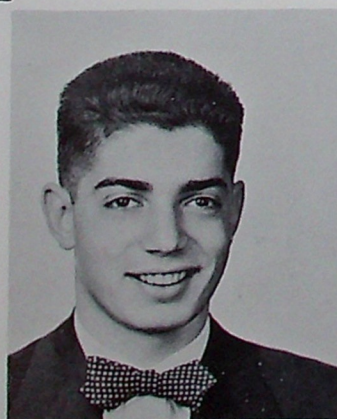
561 East 2 St., Brooklyn. F&GA

He has time for everyone but himself. When he is not busily engaged in thinking, he greets all your problems with: "Allow me." Naturally he's President of the Senior Class.

MORTON LIPPMANN

775 East 8 St., Brooklyn. ChE

Mort's summer experience at the Atomic Energy Commission came in handy in Unit Ops. Lab. When his experiment gave impossible results, he promptly classified the data "Top Secret." His resourcefulness was recognized by TBP, and also found good use on the varsity chessboard.



SONIA O. LISKER

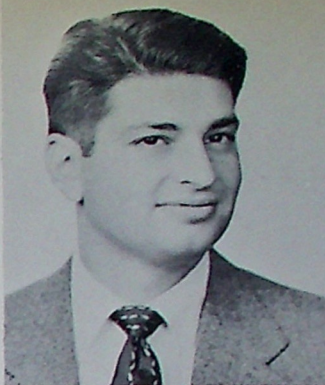
Post Office Box 19, Bloomingdale, N. J. F&GA

Sonni has a husband on her mind. She takes as much pride in being a housewife as in being a painter. She is never afraid to experiment with new forms and ideas in her paintings.



GERALD J. MARKS

3111 Broadway, New York. EE
Gerry is a fencer, ham operator, IRE
member, married man, and foremost
proponent of the 43 hour day.



EDWARD H. McCABE

3479 Seymour Ave., New York.
CE

"Grease", the silent member of the
McCabe-Brosky combine hit the line
both at Green Camp and with the
CE football regulars on our home
"campus". Eddie currently holds the
record for bringing the same girl
(Anne) to the greatest number of suc-
cessive ODP parties.

ROBERT MENTKEN

820 West Ave., New York. F&GA
No dummy, this mannequin. Destined
to make a big name for himself in
a quietly explosive way, he'll soon
be a top artist. A soft spoken guy, he
is one of the most humorous and most
talented in our class.



CIRO MILAZZO

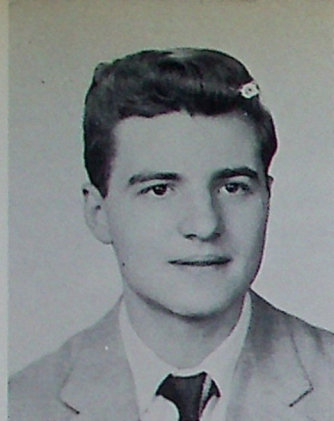
28 Bay 13 St., Brooklyn. EE
Phil is known as the EE's oldest living
veteran, having endured six cam-
paigns at Cooper, day and night. He
has found time to build up a thriving
business in Bensonhurst making boot-
legged TV sets for unsuspecting cus-
tomers. Never known to refuse a beer,
he is respected as the supreme au-
thority on the female sex.

STANLEY H. MILLER

209 Rutledge Street, Brooklyn.
F&GA

Everyone knowing Stan agrees that
he is richer for it. If you don't agree,
be sure he's without the drumsticks
which he used so well in the Cooper
band. His dry nonsense humor makes
a normal day—well . . . abnormal.





SHERWOOD J. MOLL

116 Amboy St., Brooklyn. ChE

Known for his orthodox views on engineering and his unorthodox views on women, Sherry would join a discussion of either at the drop of an innuendo. This made for some interesting meetings of the AIChE, yet contributed a tone of moderation to SKT get-togethers.

WILLUM J. MUHLKER

419 West 119 St., New York. ChE

Thinking himself still alive, this fellow insisted on writing Chemical Engineering reports in the present tense. Roundly berated, he took refuge in writing poetry and Cable blurbs, which have no rules of grammar.



MANUEL RODRIGUEZ ORTEGA

652 Carroll St., Brooklyn. ChE

A musical fellow, Manny had the habit of beating sambas on his desk during finals. The instructors, charmed, asked for encores. He took and passed during his four years a total of seven re-exams, an all-time record.

ROBERT F. ORTH

958 Anderson Ave., New York.

F&GA

Bob is a former salesman, but it does not take advertising for him to sell himself. His reputation was made at those wild, wild parties in the Village.



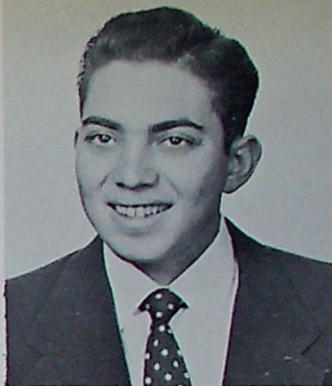
ALFRED G. OSTERLUND

118-39 218 St., Cambria Heights. ME

Al had so much spare time that he decided to share it with his true love. By now he has a little engineer helping out with the homework. His single-handed staging of the ASME dinner will long be remembered.

KENNETH OZER

190 Hooper St., Brooklyn. CE
Baby's frequently delayed shuttle between the AA office and class became well known to the CE staff. His promotion of C.U. bowling activities as well as his varsity kegling made his selection to the AA presidency no little surprise. Vice-Ruler of LSK, he was also one of its most effervescent party-givers.



ALFRED H. PALMER

9226 71 Ave., Forest Hills. CE
Al's active school career won him a reputation on the basketball court and established him among the intellectual strata of Chi Epsilon and TBP. A pensive determination is most often concealed by his lighthearted manner.

RICHARD PRESSER

1950 Daly Avenue, New York.
F&GA
MARCIA UDOFF



JOSEPH H. RAFFAELE

887 East 37 St., Brooklyn. F&GA
Joe's always either reading, or painting, or reading, or drawing, or reading, or sculpting, or reading, or writing, or he's with people. His rapidly changing attitudes amuse everyone.

JOSEPH RAGGIO

1342 Franklin Ave., New York.
F&GA
"I'll help you right now. I have nothing else to do except sharpen my chisels, finish my sculpture, stretch a canvas, overhaul my car . . ."





FRANK A. RAMPOLLO

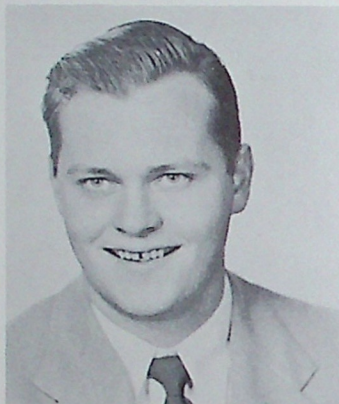
112 St. Nicholas Ave., Brooklyn.
F&GA

Hailed as one of the truly unique personalities about Cooper, this lad should go far. He is admired by all for his charm and graciousness and will be remembered as one of the great pillars of the school's social structure.

KENNETH P. REDMOND

1280 East 18 St., Brooklyn. ME

Ken was an easy-going student — doing his homework, taking notes in class, and even paying attention in Civilization. He divided his time between ASME, homework, sleep, and the intramural bowling team.



FRED M. REINER

615 West 173 St., New York. EE

The neatest dresser in the EE class, Fritz was also its greatest optimist, and his brash, cheerful voice always took a prominent part in class discussions. He also engaged a good deal in school activities, and became vice-president of almost everything around.

PETER P. RIVCES

510 East 20 St., New York. F&GA

Pete is the gentleman from Yugoslavia with that continental accent that he loves to show in Dramatic Club productions. His passion is for theoretical discussion with a worthy opponent.



JOSEPH E. RIZZUTO

816 Avenue P, Brooklyn. ME

Easy-going and personable, Joe was the boy to see when the data did not conform with expectations. He was the ace of the intramural bowling team and won top honors in the ping-pong intramurals.

BARRY L. ROSENBLATT

181 Bay 31 St., Brooklyn. F&GA
Barry, who gives up smoking at least once a week, is destined to carry on the traditions of an artistic family. He may end up illustrating "True Romance," "Esquire", or if he's really lucky, mashing ping-pong balls.



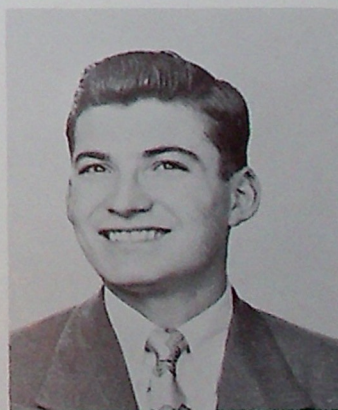
HERBERT M. ROSENTHAL

1404 Mace Avenue, New York.
F&GA

Herb has a tendency to under-expose his photographs. He has at last found a way to capitalize on it, since the Cable publishes anything. His favorite subject is dirty tables (see page 73)—on the wall of his room hang many 8x10 glossy prints thereof.

ROB J. ROY

555 73rd St., Brooklyn. EE
Rob, professional gigolo of the 4DEE's, breezed through school on a copious set of Brooklyn Tech notes. He therefore had plenty of time for basketball, automobiles, and beautiful women. When two out of three of the latter of his accomplishments placed in a local beauty contest his reputation was made.



ISRAEL E. RUBIN

437 Sterling St., Brooklyn. ME
(Whoops! There went Izzy.) During his stay in school he was like an electron; either you knew where he was or how fast he was moving, but never both. He had a finger in every pie—Editor of Cable, Pioneer, ASME, Calculus Medal, Charles T. Main Award, Interplay, PTS, TBP, etc., etc. But his chief love was being Prior of Alpha Mu Sigma Fraternity.

JOSEPH D. RUSSO

105-36 87 St., Ozone Park. F&GA
Joe produces an effective contrast between the peaceful, classical style of his drawing, and the bold figure he cuts as a fencer. It's a winning change of pace.





MITCHELL M. SACKSON

615 Westminster Rd., B'klyn. EE
Mitch is one of the few EE's that managed to do the assigned reading for all the Civilization Courses before he came to Cooper. He since has turned his attention to the law books. He is, you see, a member of Trendowski, Sackson, Wern, and Vaupel.

BERTE SAMUEL

14 Jones St., New York. F&GA
Berte is a serious student who nevertheless is noted among her classmates for her friendliness and humor. She is the life of many a happy party.



PAUL H. SANDERS

109-01 72 Road, Forest Hills. CE
Sandstone, proud father of a most economical Ford-type car, has done much to make a success of our ASCE chapter, and his scholarship has won him recognition in Chi Epsilon. His notable excursions to Roanoke and the B.P.R. might well pave the way for a successful career in that field.

ANITA L. SCHETTINO

34 Lake St., East Orange, N. J. F&GA

A tall charming brunette with a gracious air, Anita combined her natural talents with a lot of hard work, sincerity, and perseverance. She was one of the bright spots of the class, charming and well-liked by all.



CHARLES W. A. SCHIFF

64-20 Saunders St., Forest Hills. CE

"C.W.A.S.", the CE's own perpetual motion machine, has been known to finish problems before the instructor has completed assigning them. A promising D'Artagnan, he is well known in fencing circles at C.U. His fervor and zeal will carry him far in his promising career in Israel.

HELEN L. SCHLOSS

63-19 Alderton St., Rego Park.

F&GA

Lori's proclivity towards subtle coloring can be seen in her paintings as well as in the way she dresses. A hard worker, she is exceptionally quick to grasp new concepts and ideas.



RAY SEIDE

102-55 67 Drive, Forest Hills.

F&GA

Although our friend of the "noble brow" is often likened to a clown in shining armor, his nature is more suited to the sober garb of a monastic order.

GERALD SHERTZER

500 East 46 St., Brooklyn. F&GA

Jerry would rather paint than eat and sculpt than paint. His violent paintings belie his quiet demeanor, his puckish sense of humor, and his intelligent opinions on philosophy and life in general.



JOYCE R. SILVER

115-64 229 St., Cambria Heights.

F&GA

It's a feeling, not a word, that makes Joyce's presence known. She's romantically inclined and so are her paintings.

ROBERT W. SKOWRONEK

34-24 42 St., Long Island City. ME

Bob's tenor voice is often heard echoing through the halls of ODP of which he is President. Only sophomore to receive a three year varsity award, only five year man in PTS, Bob is the only.





MURRAY SPECTOR

507 80 St., Brooklyn. EE

(Cont. from Kahn's blurb) Relations Office, and the Student Council. Murray has prepared for his business career by selling AP to everybody in Cooper. All three are psychiatrically interesting: Larry is afraid he may disrubulate into twetchels, Herb is worried about something he calls his H factor, and Murray thinks he knows Electrical Engineering.

GUNTHER F. SPLETTSTOESSER

2185 Morris Avenue, New York. F&GA

Through four years of school Gunther has consistently provided his classmates with two important commodities — talent and a tremendous sense of humor. It may not be a rare combination, but somehow in Gunther it's something very special.



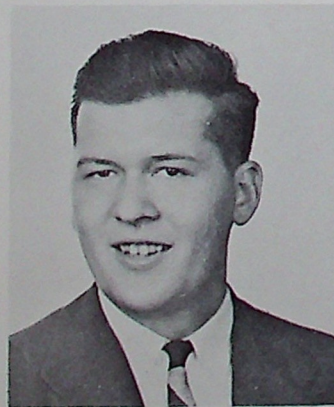
PAUL H. STERN

1559 East 12 St., Brooklyn. CE

Paul is a man that took the wrong subway on his way to Tech one fine morning, and landed in Cooper Union. He has since acquired a driving ambition to work as a Civil Engineer. It's merely his way of combining tumbling and science.

ROY N. TEGNER

130 West 57 St., New York. CE
"Olie's" prodigious bulk has been a topic of recurrent conversation and awe amongst the CE's these four years. Should he ever tire of engineering it is certain he should have a successful career as a member of any McCarthy committee.



GEORGE J. THEK

85 Mayfair Avenue, Floral Park. F&GA

George has been acclaimed by the Art School as the boy with the most beautiful eyes. Among his many interests are ballet, music, poetry, and the works of Gide. Highly influenced by Egyptian and Greek art, he nevertheless paints with a style all his own.



IRWIN S. TOPOROFF

2 West End Ave., Brooklyn. CE
Top's prankish sense of humor brought the CE Ark through many trying tempests. His versatility on the pitching mound saved many a day for his class, while his serious moments revealed a capacity which will carry him far in his profession.



CHESTER R. TRENDOWSKI

128 Bay 40 St., Brooklyn. EE
Chet is the EE's Man of Iron. He put in a year in the Merchant Marine before coming to Cooper; and after marrying one of our most beautiful art students, he still managed to turn in "A" solutions to Machines' problems. He is the senior member of the firm of Trendowski, Wern, Sackson, and Vaupel.

FRANK J. TUTOLO

269 61 Street, Brooklyn. Arch
Frank is an ambitious and diligent student, who can generally find a bit of humor in the toughest problem. He has the habit of looking very conscientious and unruffled, and is always willing to listen.



MARCIA S. UDOFF

2059 St. Raymonds Ave., New York. F&GA
DICK PRESSER

GEORGE E. VAUPEL

1512 East 48 St., Brooklyn. EE
Skilled in the art of catching things in mid-air, he bought two slide rules while at Cooper. His favorite pastime, besides staying up till three in the morning and watching films with the IRE, was slicing boloney with the group of Dan, Chester and Mitchell.





MARIA VIANI

22 Leroy St., New York. F&GA
She possesses the grace and charm of a Botticelli painting combined with a gentle humor.

JOSEPH M. VOSS

129 Wadsworth Ave., New York.

EE

"I disagree with Ladstatter" brought this boy fame in his last year at Cooper. He was one of the most active members of IZFA and a lover of the outdoors.



ANITA F. WALKER

119 East 29 St., N. Y. F&GA

This pretty blond cheerleader is bound to put Milford on the map. Anita's art work is delicate and sensitive—consistent with her sparkling personality.

LAWRENCE WASCO

602 Tenth Street, Carlstadt, N. J.

F&GA

Smile for Larry and he'll take your picture. His structural "monsters" betray his quiet humor and craftsmanship. He has a charming wife, and is a brand new daddy, too.



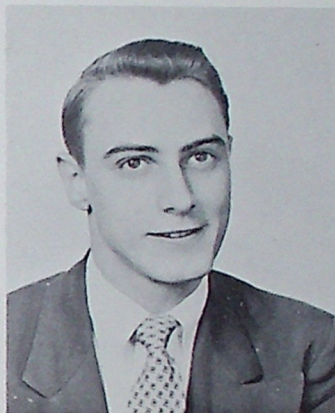
EMANUEL WEINER

173 Stockton St., Brooklyn. CE

"Mumph", though a latecomer to the day CE crew, firmly established himself as a part of it. His scholastic attributes have won him recognition by Chil Epsilon. With a firm background in the field, he will undoubtedly enjoy a successful professional career.

DANIEL W. WERN

599 East 34 Street, Brooklyn. EE
Danny gave up a really fine time playing with his own ham radio station just to go to school. Then, wonder of wonders, he liked it so much he sent his brother here too.



ROBERT J. WILEY

55-29 68 St., Maspeth. ChE

Bob, no slouch as a chemist, knew no less than seventeen different ways to synthesize ethyl alcohol. Disdaining assigned reading, he haunted the Library, where he is remembered for having borrowed both copies of Badger and McCabe at the same time.

PATRICIA A. WILLIAMS

144 East 22 St., New York. F&GA
This long-legged gift to Princeton loves horses and dogs nearly as much as art. Together they should take her far.



LUCILLE R. YOUNG

688 East 7 St., Brooklyn. F&GA

Lolly is a dainty feminine lass in crinoline — an Art School rarity. Her heart belongs to Fritz, a graduate Cooper architect.

LAWRENCE G. ZIMMERMAN

88-06 Parsons Blvd., Jamaica.
Arch

Larry's happy outlook on life and devil-may-care attitude hide a burning interest in his field of architecture. The enthusiasm and skill he showed as President of the AIA make us all hope and feel he will go far.



Interplay

ART EDITOR	Bernice Burlakoff
POETRY EDITOR	Edwin Drogin
LITERARY EDITOR	Marvin Kussoy
BUSINESS EDITOR	Israel Rubin
FACULTY ADVISOR	Professor Grover

This year the editors of Interplay have decided that some of the finer works submitted should be published in the Cable where they will receive all the advantages of professional reproduction.

In order to present as much of this work as possible in the limited space available we shall bring this introduction to a swift close by saying "thank you" to all those who have submitted manuscripts or otherwise aided in the publication of Interplay.

Tonight, I am moon touched.
There are beams in my eyes,
each, a reflection, caught
and held by a slatted window.

Tonight, I am moon touched.
A blue cover rides the world,
leads through trees,
touching leaves, plating towers.
The trees do not move
but walk the wild night,
stalk through stillness.

Tonight, I am moon touched.
My love sleeps, stirs the gentle rush,
sleeps the slumber of her eyes,
slumbers, stirs, touched by me,
the moon touched.

—George Klett

By pulling the shrink-proof (SANFORIZED*) nylon
 (polyamide) cords
Which close dust-repellent plastic (cellulose
 acetate) blinds,
We attempt to shut out the night.

Yet we cannot, for it fills ($V = LWH$) the darkened
 room.
We can drive it into the corners with momentary
 incandescent light ($I = K/d^2$).

But when electrically ($E = IR$) manufactured bombs
 ($E = Mc^2$) fall ($s = \frac{1}{2}gt^2$) on Con Edison,
It will flood the room (What to do? - No equations
 for darkness . . .)
and overtake us.

—Robert H. Goepfert

Eternity is a mask,
it has no face.
They would belie our hearts
and have us believe
in everlasting grace,
consoling us when hands
and feet are cold, autumn withered,
and nights are filled
with the crash of our own
dissembling dreams.
Let us, instead, ride our time,
lead it and gallop it
like the steed it is,
flanks lathered, withers heaving,
breathing the fire of Prometheus,
and we, like the gods we are,
images of our imaginations,
astride, flicking it with our crops,
ride out, ride on,
and force the chancing hand of fate.

—George Klett

He looks at
Me looking at
You looking at
Her whom I hate.

I despise him
Who looks at
Me looking at
You looking at
Her who despises you.

My eyes ache from looking at
You loving her.
My hating heart aches from loving.
Look at

Me looking at
You aching from looking at her.

Turn and see me

I am still here
I won't go

I'll wait.

—Arlene Watras

Beholder of the passing night
(mortals are not worthy of that beauty)
dark serene, the purple plain dotted
with star flower.

Upon the plain a grey herd, ridden by winds,
running between day's death and morning reincarnation.
I watch . . .

the silently running gallop by a god's order.
none must see such steeds,
for it is that divine's clock,

a divine timepiece;
the fleeing from the dawn;
grey ghosts of purpled tomb, announcing—as a turning page—
the ceaseless rebirth into morning.
but I see . . .

till the least of the herd drifts to the stall of vapors,
emptying the plain for new day.

now leave me, I saw nothing
I am not awake.

—Stephen Korbet



Societies and Fraternities

PRESIDENT: Norman Klebanoff
VICE-PRESIDENT: John Trebilcock
TREASURER: Leon Lehman
SECRETARY: Morton Lippmann
FACULTY ADVISOR: Prof. Wender



Left to Right, Top Row: J. Maiman, I. Gruverman, R. Alwitt, R. Pauckert, W. Kaehler.
 Middle Row: A. Weiss, R. Cardonne, W. Muhlker, D. Ifshin, L. Gabay, S. Moll. Bottom
 Row: R. Wiley, J. Trebilcock, M. Lippmann, Prof. L. Wender, N. Klebanoff, J. Davis,
 L. Lehman.

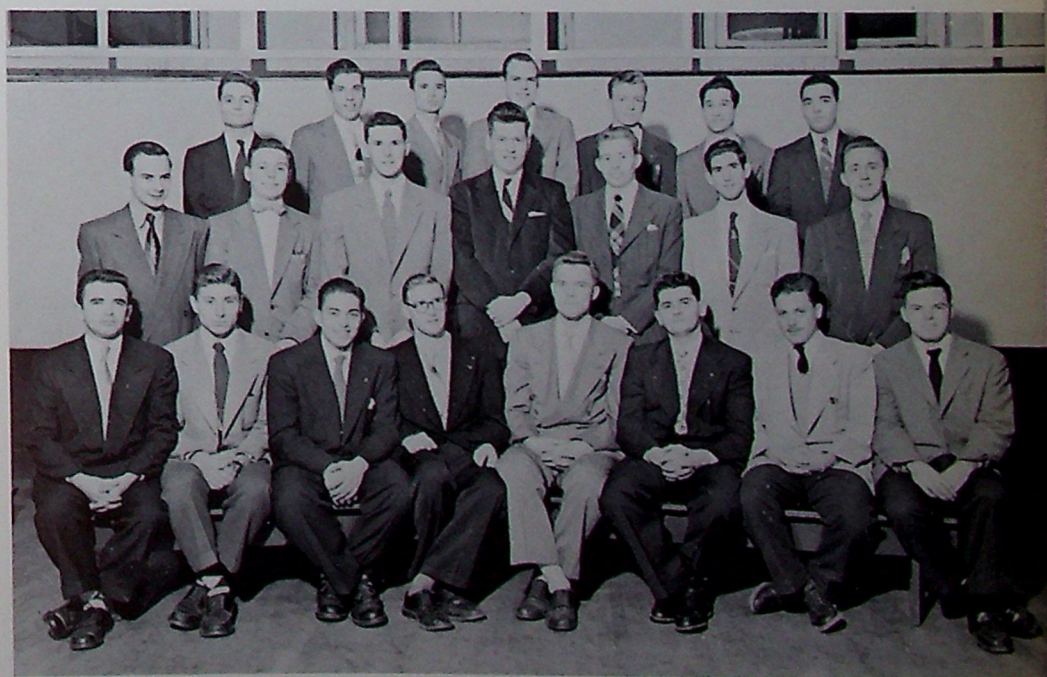
American Institute of Chemical Engineers

An engineer maintains and strengthens his professional status by early affiliation with a national society. For the Chemical Engineering student, membership in the Student Chapter of A.I.Ch.E. helps the budding engineer to develop the "professional attitude" so imperative to success. Plant trips, industrial movies, and guest speakers help acquaint the student with the equipment and problems he will meet later when he is on the job.

PRESIDENT: Howard Grevenitz
VICE-PRESIDENT: Raymond Zahn
SECRETARY: John O'Connor
TREASURER: Lawrence Fischer

The American Society of Civil Engineers serves as a tie between the civil engineering students and the profession which they will soon enter. The purpose of the chapter is to help the student prepare himself for entry into the Profession and the Society and to acquaint him with the aspects of engineering which are not generally encountered in the classroom. The Cooper Union Chapter endeavors to fulfill these purposes by engaging in a broad range of professional and social activities.

American Society of Civil Engineers



Left to Right, Top Row: P. Snoek, M. Ebersman, G. Bennewitz, C. Garbe, F. Reda, R. Nemet, M. Clumpus. Middle Row: A. Adams, C. Parody, D. Eichelburg, R. Tegner, G. Wedemeyer, I. Toporoff, G. Brosky. Bottom Row: E. Weiner, A. Palmer, K. Ozer, J. O'Connor, H. Grevenitz, M. Ames, C. Schiff, E. McCabe.

American Institute of Electrical - Radio Engineers

The purpose of the joint student branch of the A.I.E.E. and I.R.E. is to give the student a better perspective of the scope and practices of his chosen profession. Members are encouraged to take part in the activities of the national organizations and, through the media of lectures, films, and field trips, are acquainted with the various phases of electrical engineering.

CHAIRMAN: William Elhoff
VICE-CHAIRMAN: Philip Harding
AIEE SECRETARY: Peter Straka
IRE SECRETARY: Larry Kittiver
AIEE TREASURER: Julius Franklin
IRE TREASURER: Fred Reiner
AIEE FACULTY ADVISOR: Prof. Starr
IRE FACULTY ADVISOR: Prof. Sherman



Left to Right, Top Row: J. Fleischer, W. Johnson, I. Steinberg, J. Warshauer, L. Schaefer, R. Perle, D. Wern, S. Glassman, G. Vaupel. Second Row: H. Kahn, S. Heller, A. Wald, A. Moss, R. Roy, M. Sackson, P. Blake, C. Trendowski, B. Anzel. Third Row: C. Millazzo, P. Straka, J. Franklin, W. Elhoff, P. Harding, F. Reiner, L. Kittiver, G. Marks. Bottom Row: J. Ladstatter, E. Drogin, L. Gage, W. Schwartz, S. Margulies.



Left to Right, Top Row: R. Menchen, F. England, G. Ritsi, N. Gordon, L. Epel, L. Herle, G. Fischer, E. Herzlich, D. Cotten, D. Daniel. Second Row: M. Katz, G. Field, G. Mascetti, D. Lyons, J. Rosengarten, S. Cowan, R. Skowronek, G. Doeh, B. Andrushkiw, F. Decaminada, N. Becker. Third Row: I. Rubin, R. Alloca, G. Kanner, H. Luhrs, Mr. A. Kurtis, H. Cahn, R. Kohler, M. Phillips. Bottom Row: L. Cohen, L. Fiderer, K. Yasuda, P. Sherman, A. Ianuzzi, M. Bialy.

American Society of Mechanical Engineers

CHAIRMAN: Herbert Cahn
VICE-CHAIRMAN: Henry Luhrs
SECRETARY: Alfred Osterlund
TREASURER: Robert Kohler
FACULTY ADVISOR: Mr. Kurtis

The American Society of Mechanical Engineers' student chapter has as its purpose the supplementing of our engineering education on a professional level. This is accomplished by means of student and guest speakers, industrial films, plant trips and by the annual A.S.M.E. dinner. Student members attend functions of the parent society such as regional meetings and the annual convention.



Fratres-in-Collegio

M. Ames
J. Davis
G. A. Fisher
S. Goldwasser
I. Gruverman
P. Harding
W. Johnson
A. Kaminer
L. Kittiver
M. Lippmann
H. Martins
J. McCormick
A. Palmer
W. Punton
A. Ragozzino
P. Straka
G. Strickholm
A. Tompos
C. Trendowski

Left to right, Top Row: W. Johnson, I. Gruverman, M. Ames, P. Straka, G. Strickholm, A. Tompos, G. Fischer. Middle Row: M. Lippmann, A. Palmer, L. Kittiver, P. Harding, J. Davis, C. Trendowski, H. Martens. Bottom Row: B. Anzel, I. Rubin, P. Blake, P. Sherman, H. Cahn, J. Ladstatter.

PRESIDENT: Perry Sherman
VICE-PRESIDENT: Herbert Cahn
RECORDING SECRETARY: Paul Blake
CORRESPONDING SECRETARY: James Ladstatter
TREASURER: Israel Rubin
CATALOGER: Bernard Anzel
FACULTY ADVISORS: Prof. Miller, Prof. Vopat

Tau Beta Pi

Since its inception in 1947, the New York Iota Chapter at Cooper Union has served the school in many ways, such as the summer tutoring program, and the performance of duties for various departments by TBP pledges. To emphasize the importance of Humanities in engineering education, an award for excellence in Humanities was established. This is typical of the work being done—a conscious effort on the part of these few students to make a significant contribution to the student body of the Cooper Union.

PRESIDENT: Israel Rubin
VICE-PRESIDENT: Tony Ragozzino
RECORDING SECRETARY: Herbert Cahn
CORRESPONDING SECRETARY: Joe Lechleider
TREASURER: Perry Sherman
FACULTY ADVISOR: Prof. Kut

Pi Tau Sigma

The Cooper Union Pi Phi Chapter of Pi Tau Sigma honorary society was founded in 1949. Its members serve as student aids to the Mechanical Engineering Department. This year we have endeavored to act as student counselors to the incoming freshmen. The students selected for membership are chosen on the basis of sound engineering ability, outstanding scholarship and personality.

Fratres-in-Collegio

B. Andrushkiw
 M. Bealy
 L. Cohen
 L. Epel
 L. Fiderer
 G. Field
 G. Fisher
 A. Ianuzzi
 F. Jark
 M. Katz
 H. Luhrs
 G. Ritsi
 R. Skowronek
 K. Yasuda



Left to Right, Top Row: H. Luhrs, K. Yasuda, L. Fiderer, G. Fischer, M. Katz, R. Skowronek, G. Field, B. Andrushkiw. Bottom Row: L. Epel, L. Cohen, M. Bialy, I. Rubin, H. Cahn, P. Sherman, A. Ianuzzi.

Alpha Phi Omega

PRESIDENT: Bernard Blum
VICE-PRESIDENT: Julius Jortner
SECRETARY: George Schuster
TREASURER: Joseph Carlo
HISTORIAN: Giyora Doeh
FACULTY ADVISOR: Mr. Aaron Fessler



Fratres-in-Collegio

R. Blaho
 S. Blumenthal
 P. Castine
 D. Cotten
 D. Doyle
 G. Fischer
 L. Gerckens
 D. Granat
 R. Gunther
 L. Herte
 P. Kane
 L. Kittiver
 G. Lindauer
 J. Maiman
 M. Mazzola
 L. Nacamuli
 A. Nagy
 L. Olsen
 A. Rothbart
 C. Schiff
 K. Whitman

Left to Right, Top Row: D. Granat, L. Gerckens, L. Olsen, G. Doeh, M. Heimowitz, L. Kittiver, D. Cotten. Bottom Row: L. Herte, G. Fischer, Mr. A. Fessler, C. Schiff, J. Maiman, K. Whitman.

Another year has passed, providing the fraternity with numerous opportunities to render service to the students and faculty of the school. Projects this year included painting "shelter" signs for the school civil defense effort; organization of the third annual blood-bank campaign; and the film program which was this year divided between science and art subjects.

The next school year promises to be another strong year with the continuation and extension of the A. P. O. service program.

PRESIDENT: Leopold F. Gabay
VICE-PRESIDENT AND SOCIAL DIRECTOR: Sherwood
 J. Moll
TREASURER: Donald J. Ifshin
HOUSEMASTER: Stephen I. Cowan
CORRESPONDING SECRETARY: Henry Wardak
RECORDING SECRETARY: Marvin Clumpus
FACULTY ADVISOR: Prof. Caldiero

Sigma Kappa Tau

During the past year Sigma Kappa Tau established the first house in its history at Cooper. The social-minded brothers of S. K. T. outdid themselves in setting a new record for consecutive attendance at parties and dances for a scholastic year. Although many of the Black Hand's fabulous Night Riders are leaving Cooper's hallowed halls, they will undoubtedly be very active as alumni members of the fraternity.

Fratres-in-Collegio

M. Bauman
 G. Bennewitz
 J. Bernstein
 M. Blanco
 R. Cardonne
 E. Fearon
 D. Granat
 M. Heimowitz
 N. Klebanoff
 V. Mazzella
 M. Trombetta
 R. Wiley



Left to Right, Top Row: R. Cardonne, M. Heimowitz, M. Trombetta, E. Fearon, M. Bauman, D. Granat, N. Klebanoff, M. Blanco. Bottom Row: R. Wiley, H. Wardak, D. Ifshin, L. Gabay, S. Moll, M. Clumpus, S. Cowan.

Alpha Mu Sigma

PRIOR: Israel Rubin
VICE PRIOR: Fred Reiner
RECORDING SCRIBE: Eric Herzlich
CORRESPONDING SCRIBE: Robert Kohler
TREASURER: Norman Gordon
FACULTY ADVISOR: Mr. Epstein



Fratres-in-Collegio

N. Becker
 L. Berlot
 C. D'Antonio
 J. Davis
 E. Drogin
 M. Fields
 V. Fleischer
 A. Gelbein
 S. Glassman
 P. Harding
 J. Heitner
 S. Heller
 H. Kleiman
 P. Lazovick
 M. Lewis
 M. Rosenberg
 H. Schindler
 S. Spater
 M. Spector
 A. Weiss

Left to Right, Top Row: K. Weinberg, C. Levy, A. Rosenblatt, S. Solomon, M. Cantor, G. Kovelman, A. Chow, D. Rosenberg, L. Berlot, M. Spector. Middle Row: J. Heitner, A. Weiss, H. Kleiman, P. Harding, S. Heller, Mr. S. Epstein, S. Glassman, J. Davis, V. Fleischer, C. D'Antonio. Bottom Row: R. Kohler, P. Lazovick, N. Becker, I. Rubin, F. Reiner, N. Gordon, E. Herzlich, E. Drogin.

The Alpha chapter of Alpha Mu Sigma fraternity was founded 40 years ago at the Cooper Union to perpetuate friendships made while in college. Led by the indefatigable Izzy Rubin, it has been a vital and active school organization with fraters in leading major activities from the Rifle Club all the way to the Cable. The A.M.S. frat house also boasts more couches per square inch than any other apartment within a 12 block radius.

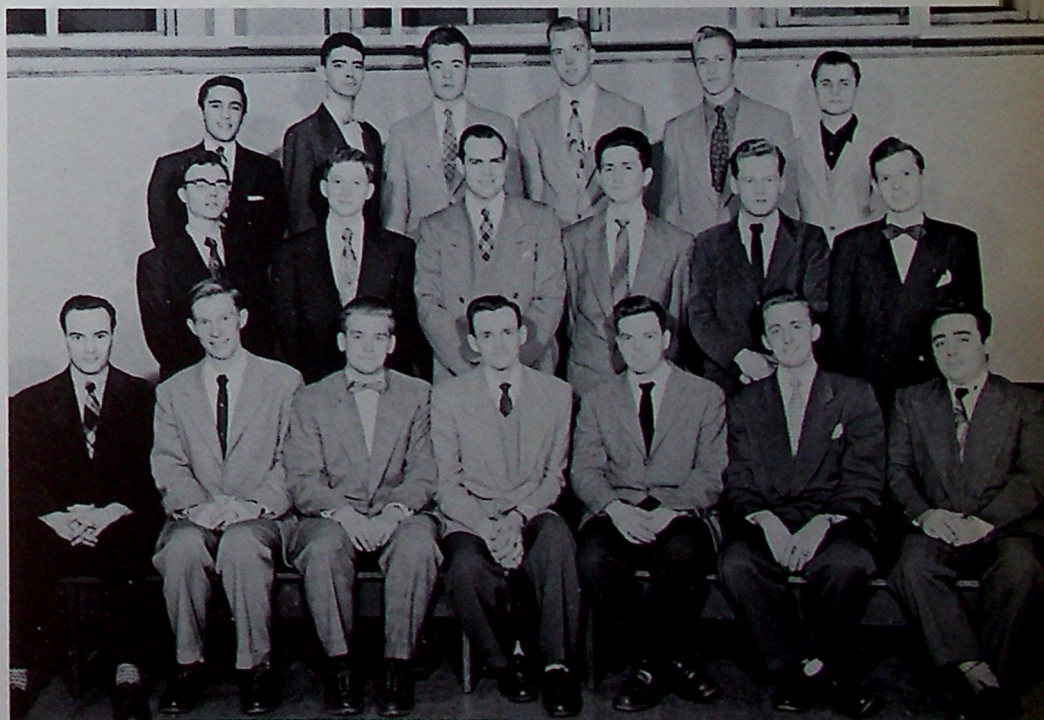
Omega Delta Phi

PRESIDENT: Bob Skowronek
VICE-PRESIDENT: Ed McCabe
SECRETARY: Walt Kaehler
TREASURER: Jim Weigold
FACULTY ADVISOR: Dean Towle

The Alpha and Delta Chapters of Omega Delta Phi Fraternity Inc. occupy quarters at 58 E. Seventh Street. Since the Fraternity was founded in 1903, its purpose . . . "to perpetuate friendships made while students and to encourage and stimulate the love and esteem of Alma Mater", has been the guide for all of its activities.

Fratres-in-Collegio

A. Adams
 A. Bizjak
 G. Brosky
 F. Decaminada
 W. Elhoff
 C. Garbe
 J. Lechleider
 P. Loras
 A. Martenson
 T. Melchiorre
 R. Menchen
 W. Muhlker
 G. Nunz
 C. Orzechowski
 R. Pauckert
 E. Remmel
 F. Rinallo
 P. Rudolph
 L. Schaefer
 R. Sheleng
 D. Slember
 D. Starrett
 L. Theodore
 D. Toman
 T. Tompas
 J. Trebilcock
 A. Vogel
 G. Wolfgang
 H. Wright
 P. Zaybekian
 D. Zulick



Left to Right, Top Row: L. Theodore, W. Muhlker, R. Menchen, L. Schaefer, A. Martenson, R. Slember. Middle Row: R. Pauckert, J. Trebilcock, C. Garbe, P. Rudolph, A. Vogel, G. Nunz. Bottom Row: A. Adams, W. Elhoff, W. Kaehler, R. Skowronek, E. McCabe, G. Brosky, F. Decaminada.



Fratres-in-Collegio

R. Alwitt
A. Baron
I. Ballaban
B. Bready
L. Block
D. Daniels
G. Doeh
G. Dorner
D. Eichelburg
S. Fried
A. Goodridge
D. Kowtko
S. Litsios
L. Minsuk
J. O'Connor
M. Ortega
M. Rosinsky
W. Sharpley
P. Straka
P. Snoek
M. Trust
R. Wagner
A. Wald

Left to Right, Top Row: S. Fried, D. Eichelburg, J. Warshauer, P. Snoek. Middle Row: D. Daniels, S. Litsios, P. Straka, W. Sharpley, A. Wald, A. Hood. Bottom Row: J. O'Connor, I. Steinberg, M. Ames, K. Ozer, R. Alwitt, G. Doeh.

RULER: Marv Ames
VICE RULER: Ken Ozer
TREASURER: Joe Warshauer
RECORDING SECRETARY: William Kulik
CORRESPONDING SECRETARY: Irv Steinberg
FACULTY ADVISOR: Prof. Vopat

Lambda Sigma Kappa

The Lambda Sigma Kappa fraternity, from its inception in 1906 to the present, has maintained as one of its basic tenets the principle of non-sectarianism. The provision of the fraternal code states that men are to be considered for induction on the basis of character and scholarship alone, with no consideration given to factors of race, color or creed. During the year the fraternity built a toboggan run for Green Camp, and sponsored a day at Green for a group of underprivileged children.

GANO DUNN

The Cooper Union for the Advancement of Science and Art and The J. G. White Engineering Corporation have both known the inspiration of Gano Dunn's leadership.

We knew and experienced the cool and efficient operation of his mind as applied to our business and sometimes our personal problems, but we also glowed in the warmth of heart and friendly understanding in his handling of the human factors entering into those problems.

We respected and admired Gano Dunn for his extraordinary abilities and accomplishments, but we loved him as the man we worked with and knew. We record here our pride in having been his associates over a long period of years, our gratitude for his leadership, and our sense of the irreplaceable loss of a great man and his intimate companionship and friendship.

E. N. Chilson, Chairman of the Board
The J. G. White Engineering Corporation.

ALUMNI ASSOCIATION

With your graduation from the Cooper Union undergraduate body, you become an "immediate" member of a much larger branch of the Cooper family—the Cooper Union Alumni Association. Nearly 2,000 men and women are your "close relatives" now—the active members of the Association. And all of them, individually and collectively, stand ready to extend a helping hand to a fellow alumnus.

The purpose of the Alumni Association is twofold. It is, in brief, to help the school and to help Cooperites. Much of the help to the school, is, of course, financial. Each year contributions to the athletic clubs and teams enable them to function. A particular protege of alumni is the Yacht Club, whose boats were financed by the Alumni Association. Other extra-curricular activities have received financial assistance from the Association. It also gives prizes and awards for academic excellence annually.

The Cooper Union Fund is another means through which the alumni are carrying the responsibility that is theirs as heirs of Peter Cooper. It has provided many improvements at Green Camp (Alumni Pond is just one of them) and much new equipment at Cooper Square, as well as other "extras." The Fund has shown constant growth as a result of the increased participation and generosity of alumni, fostered by the Association.

All over the country Cooper graduates are banding together to perpetuate the spirit of Peter Cooper. This year Founder's Day was celebrated from coast to coast by local chapters of the Alumni Association in nine cities outside of New York: Miami, Pittsburgh, Syracuse, Albany, Cleveland, Detroit, San Francisco, Los Angeles and Houston, Texas. Next year we expect to double our out-of-town chapters. So, if you relocate after graduation, almost any place you go, you will probably be close to a Cooper alumni organization.

As an alumnus you will receive the Alumni News, which will keep you posted on the many facilities, activities and opportunities offered by the program of the Association. Do you want to exhibit your paintings? The Peter Cooper Gallery offers facilities for a showing at small personal expense. Or are you going to take the examinations for a professional engineer's license? The Alumni Association's P.E. Review Course is a planned and proven "cram" course expressly designed to prepare you. The course is nominally priced and members are given a special discount as well as preferred enrollment. Last summer the Alumni Association inaugurated a unique service to its engineering members. At a nine-day seminar at Green Camp, alumni out of school fifteen years or more were able to return to school for a series of sessions which brought them up to date on the latest developments in the basic sciences. In the beautiful surroundings of Camp, graduates of classes ranging from 1912-1940 were able to combine a wonderful vacation with good fellowship and stimulating lectures, discussions and good old-fashioned "bull sessions."

Or you can keep your hand in at the Sketch Class. Or maybe you would like to hear leading professional alumni tell about interesting and little known angles of their (or your) specialties, or discuss subjects of general interest. These at the monthly General Meetings. (Refreshments afterwards.)

Athletic events, social events which include the gala Founder's Day Dinner-Dance and the weekend outing at Green Camp in September, work on the Alumni News or other committees, all these enable you to get even more than you give, to keep in touch with your classmates and to meet other alumni, to develop skills and to form valuable contacts.

The lounge of Alumni House on West 53rd Street is available for class meetings and group get-togethers.

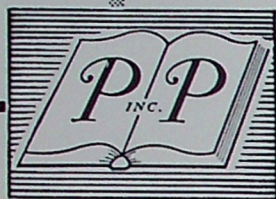
The Alumni Association looks to its younger members, among whom the class of 1954 is now taking its place, for fresh stimulus and active participation in all its activities. It welcomes you to the Cooper Union alumni family.

President—Joseph Rofman C.E. '28
2nd Vice-Pres.—William Lukacs Arch. '28
Treasurer—Hercules C. Cuttica E.E. '36

1st Vice-Pres.—Nicholas M. Molnar Ch.E. '26
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Alumni Seminar at Green Camp.



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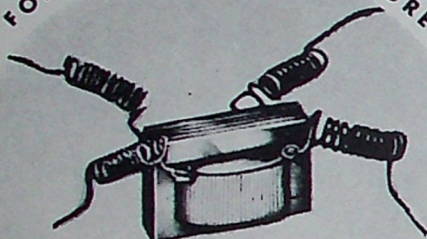
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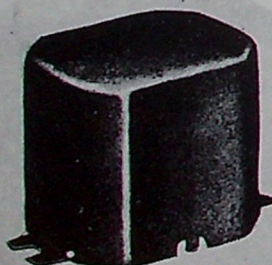
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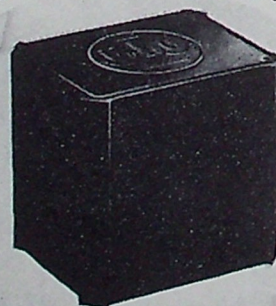
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